



**Groundwater Sample Results,
Electronic Data Deliverable, Data Validation Report,
and the Sample Location Report, SDG SC39221**

*Naval Station Newport
Newport, Rhode Island*

August 2019

"1715756-BLK1","EPA 300.0","RES","1715756-BLK1","ESAI","14797-55-8","Nitrate as N","0.100","mg/l","U","0.007","MDL","TARGET","0.100","RDL","YES","-99","5","5","0.100",
"1715756-BLK1","EPA 300.0","RES","1715756-BLK1","ESAI","14808-79-8","Sulfate as SO4","1.00","mg/l","U","0.798","MDL","TARGET","1.00","RDL","YES","-99","5","5","1.00",
"1715756-BLK1","EPA 300.0","RES","1715756-BLK1","ESAI","16887-00-6","Chloride","0.100","mg/l","U","0.0994","MDL","TARGET","1.00","RDL","YES","-99","5","5","0.100",
"1715756-BS1","EPA 300.0","RES","1715756-BS1","ESAI","14797-55-8","Nitrate as N","1.97","mg/l","0.007","MDL","TARGET","98","0.100","RDL","YES","2.00","5","5","0.100",
"1715756-BS1","EPA 300.0","RES","1715756-BS1","ESAI","14808-79-8","Sulfate as SO4","20.0","mg/l","0.798","MDL","TARGET","100","1.00","RDL","YES","20.0","5","5","1.00",
"1715756-BS1","EPA 300.0","RES","1715756-BS1","ESAI","16887-00-6","Chloride","20.0","mg/l","0.0994","MDL","TARGET","100","1.00","RDL","YES","20.0","5","5","0.100",
"1715756-CCB1","EPA 300.0","RES","1715756-CCB1","ESAI","14797-55-8","Nitrate as N","0.00100","mg/l","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCB1","EPA 300.0","RES","1715756-CCB1","ESAI","14808-79-8","Sulfate as SO4","0.0550","mg/l","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCB1","EPA 300.0","RES","1715756-CCB1","ESAI","16887-00-6","Chloride","0.0320","mg/l","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCB2","EPA 300.0","RES","1715756-CCB2","ESAI","14797-55-8","Nitrate as N","0.00200","mg/l","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCB2","EPA 300.0","RES","1715756-CCB2","ESAI","14808-79-8","Sulfate as SO4","0.0590","mg/l","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCB2","EPA 300.0","RES","1715756-CCB2","ESAI","16887-00-6","Chloride","0.0310","mg/l","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCB3","EPA 300.0","RES","1715756-CCB3","ESAI","14797-55-8","Nitrate as N","-0.00100","mg/l","U","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCB3","EPA 300.0","RES","1715756-CCB3","ESAI","14808-79-8","Sulfate as SO4","0.0510","mg/l","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCB3","EPA 300.0","RES","1715756-CCB3","ESAI","16887-00-6","Chloride","0.0260","mg/l","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCB4","EPA 300.0","RES","1715756-CCB4","ESAI","14797-55-8","Nitrate as N","0.00200","mg/l","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCB4","EPA 300.0","RES","1715756-CCB4","ESAI","14808-79-8","Sulfate as SO4","0.0900","mg/l","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCB4","EPA 300.0","RES","1715756-CCB4","ESAI","16887-00-6","Chloride","0.0330","mg/l","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCB5","EPA 300.0","RES","1715756-CCB5","ESAI","14797-55-8","Nitrate as N","-0.00200","mg/l","U","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCB5","EPA 300.0","RES","1715756-CCB5","ESAI","14808-79-8","Sulfate as SO4","0.0540","mg/l","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCB5","EPA 300.0","RES","1715756-CCB5","ESAI","16887-00-6","Chloride","0.0320","mg/l","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCB6","EPA 300.0","RES","1715756-CCB6","ESAI","14797-55-8","Nitrate as N","0.00200","mg/l","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCB6","EPA 300.0","RES","1715756-CCB6","ESAI","14808-79-8","Sulfate as SO4","0.137","mg/l","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCB6","EPA 300.0","RES","1715756-CCB6","ESAI","16887-00-6","Chloride","0.0300","mg/l","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCB7","EPA 300.0","RES","1715756-CCB7","ESAI","14797-55-8","Nitrate as N","-0.00200","mg/l","U","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCB7","EPA 300.0","RES","1715756-CCB7","ESAI","14808-79-8","Sulfate as SO4","0.0470","mg/l","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCB7","EPA 300.0","RES","1715756-CCB7","ESAI","16887-00-6","Chloride","0.0260","mg/l","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCB8","EPA 300.0","RES","1715756-CCB8","ESAI","14797-55-8","Nitrate as N","-0.00200","mg/l","U","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",

"1715756-CCB8","EPA 300.0","RES","1715756-CCB8","ESAI","14808-79-8","Sulfate as SO4","0.0470","mg/l","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCB8","EPA 300.0","RES","1715756-CCB8","ESAI","16887-00-6","Chloride","0.0250","mg/l","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCB9","EPA 300.0","RES","1715756-CCB9","ESAI","14797-55-8","Nitrate as N","-0.00100","mg/l","U","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCB9","EPA 300.0","RES","1715756-CCB9","ESAI","14808-79-8","Sulfate as SO4","0.0640","mg/l","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCB9","EPA 300.0","RES","1715756-CCB9","ESAI","16887-00-6","Chloride","0.0230","mg/l","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCBA","EPA 300.0","RES","1715756-CCBA","ESAI","14797-55-8","Nitrate as N","0.00100","mg/l","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCBA","EPA 300.0","RES","1715756-CCBA","ESAI","14808-79-8","Sulfate as SO4","0.0980","mg/l","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCBA","EPA 300.0","RES","1715756-CCBA","ESAI","16887-00-6","Chloride","0.0250","mg/l","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCBB","EPA 300.0","RES","1715756-CCBB","ESAI","14797-55-8","Nitrate as N","-0.00100","mg/l","U","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCBB","EPA 300.0","RES","1715756-CCBB","ESAI","14808-79-8","Sulfate as SO4","0.0730","mg/l","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCBB","EPA 300.0","RES","1715756-CCBB","ESAI","16887-00-6","Chloride","0.0240","mg/l","-99","NA","TARGET","-99","NA","YES","-99","5","5","-99",
"1715756-CCV1","EPA 300.0","RES","1715756-CCV1","ESAI","14797-55-8","Nitrate as N","1.96","mg/l","0.007","MDL","TARGET","98","0.100","RDL","YES","2.00","5","5","0.100",
"1715756-CCV1","EPA 300.0","RES","1715756-CCV1","ESAI","14808-79-8","Sulfate as SO4","19.9","mg/l","0.798","MDL","TARGET","99","1.00","RDL","YES","20.0","5","5","1.00",
"1715756-CCV1","EPA 300.0","RES","1715756-CCV1","ESAI","16887-00-6","Chloride","19.9","mg/l","0.0994","MDL","TARGET","100","1.00","RDL","YES","20.0","5","5","0.100",
"1715756-CCV2","EPA 300.0","RES","1715756-CCV2","ESAI","14797-55-8","Nitrate as N","1.97","mg/l","0.007","MDL","TARGET","99","0.100","RDL","YES","2.00","5","5","0.100",
"1715756-CCV2","EPA 300.0","RES","1715756-CCV2","ESAI","14808-79-8","Sulfate as SO4","20.0","mg/l","0.798","MDL","TARGET","100","1.00","RDL","YES","20.0","5","5","1.00",
"1715756-CCV2","EPA 300.0","RES","1715756-CCV2","ESAI","16887-00-6","Chloride","20.0","mg/l","0.0994","MDL","TARGET","100","1.00","RDL","YES","20.0","5","5","0.100",
"1715756-CCV3","EPA 300.0","RES","1715756-CCV3","ESAI","14797-55-8","Nitrate as N","1.98","mg/l","0.007","MDL","TARGET","99","0.100","RDL","YES","2.00","5","5","0.100",
"1715756-CCV3","EPA 300.0","RES","1715756-CCV3","ESAI","14808-79-8","Sulfate as SO4","19.9","mg/l","0.798","MDL","TARGET","99","1.00","RDL","YES","20.0","5","5","1.00",
"1715756-CCV3","EPA 300.0","RES","1715756-CCV3","ESAI","16887-00-6","Chloride","20.0","mg/l","0.0994","MDL","TARGET","100","1.00","RDL","YES","20.0","5","5","0.100",
"1715756-CCV4","EPA 300.0","RES","1715756-CCV4","ESAI","14797-55-8","Nitrate as N","1.95","mg/l","0.007","MDL","TARGET","98","0.100","RDL","YES","2.00","5","5","0.100",
"1715756-CCV4","EPA 300.0","RES","1715756-CCV4","ESAI","14808-79-8","Sulfate as SO4","20.0","mg/l","0.798","MDL","TARGET","100","1.00","RDL","YES","20.0","5","5","1.00",
"1715756-CCV4","EPA 300.0","RES","1715756-CCV4","ESAI","16887-00-6","Chloride","19.9","mg/l","0.0994","MDL","TARGET","100","1.00","RDL","YES","20.0","5","5","0.100",
"1715756-CCV5","EPA 300.0","RES","1715756-CCV5","ESAI","14797-55-8","Nitrate as N","2.00","mg/l","0.007","MDL","TARGET","100","0.100","RDL","YES","2.00","5","5","0.100",
"1715756-CCV5","EPA 300.0","RES","1715756-CCV5","ESAI","14808-79-8","Sulfate as SO4","20.0","mg/l","0.798","MDL","TARGET","100","1.00","RDL","YES","20.0","5","5","1.00",
"1715756-CCV5","EPA 300.0","RES","1715756-CCV5","ESAI","16887-00-6","Chloride","20.1","mg/l","0.0994","MDL","TARGET","100","1.00","RDL","YES","20.0","5","5","0.100",
"1715756-CCV6","EPA 300.0","RES","1715756-CCV6","ESAI","14797-55-8","Nitrate as N","1.97","mg/l","0.007","MDL","TARGET","99","0.100","RDL","YES","2.00","5","5","0.100",
"1715756-CCV6","EPA 300.0","RES","1715756-CCV6","ESAI","14808-79-8","Sulfate as SO4","20.1","mg/l","0.798","MDL","TARGET","100","1.00","RDL","YES","20.0","5","5","1.00",
"1715756-CCV6","EPA 300.0","RES","1715756-CCV6","ESAI","16887-00-

6", "Chloride", "20.0", "mg/l", "0.0994", "MDL", "TARGET", "100", "1.00", "RDL", "YES", "20.0", "5", "5", "0.100",
"1715756-CCV7", "EPA 300.0", "RES", "1715756-CCV7", "ESAI", "14797-55-8", "Nitrate as
N", "2.01", "mg/l", "0.007", "MDL", "TARGET", "100", "0.100", "RDL", "YES", "2.00", "5", "5", "0.100",
"1715756-CCV7", "EPA 300.0", "RES", "1715756-CCV7", "ESAI", "14808-79-8", "Sulfate as
SO4", "19.9", "mg/l", "0.798", "MDL", "TARGET", "100", "1.00", "RDL", "YES", "20.0", "5", "5", "1.00",
"1715756-CCV7", "EPA 300.0", "RES", "1715756-CCV7", "ESAI", "16887-00-
6", "Chloride", "20.1", "mg/l", "0.0994", "MDL", "TARGET", "100", "1.00", "RDL", "YES", "20.0", "5", "5", "0.100",
"1715756-CCV8", "EPA 300.0", "RES", "1715756-CCV8", "ESAI", "14797-55-8", "Nitrate as
N", "2.01", "mg/l", "0.007", "MDL", "TARGET", "100", "0.100", "RDL", "YES", "2.00", "5", "5", "0.100",
"1715756-CCV8", "EPA 300.0", "RES", "1715756-CCV8", "ESAI", "14808-79-8", "Sulfate as
SO4", "20.0", "mg/l", "0.798", "MDL", "TARGET", "100", "1.00", "RDL", "YES", "20.0", "5", "5", "1.00",
"1715756-CCV8", "EPA 300.0", "RES", "1715756-CCV8", "ESAI", "16887-00-
6", "Chloride", "20.1", "mg/l", "0.0994", "MDL", "TARGET", "100", "1.00", "RDL", "YES", "20.0", "5", "5", "0.100",
"1715756-CCV9", "EPA 300.0", "RES", "1715756-CCV9", "ESAI", "14797-55-8", "Nitrate as
N", "1.99", "mg/l", "0.007", "MDL", "TARGET", "99", "0.100", "RDL", "YES", "2.00", "5", "5", "0.100",
"1715756-CCV9", "EPA 300.0", "RES", "1715756-CCV9", "ESAI", "14808-79-8", "Sulfate as
SO4", "19.9", "mg/l", "0.798", "MDL", "TARGET", "100", "1.00", "RDL", "YES", "20.0", "5", "5", "1.00",
"1715756-CCV9", "EPA 300.0", "RES", "1715756-CCV9", "ESAI", "16887-00-
6", "Chloride", "20.0", "mg/l", "0.0994", "MDL", "TARGET", "100", "1.00", "RDL", "YES", "20.0", "5", "5", "0.100",
"1715756-CCVA", "EPA 300.0", "RES", "1715756-CCVA", "ESAI", "14797-55-8", "Nitrate as
N", "1.97", "mg/l", "0.007", "MDL", "TARGET", "98", "0.100", "RDL", "YES", "2.00", "5", "5", "0.100",
"1715756-CCVA", "EPA 300.0", "RES", "1715756-CCVA", "ESAI", "14808-79-8", "Sulfate as
SO4", "20.0", "mg/l", "0.798", "MDL", "TARGET", "100", "1.00", "RDL", "YES", "20.0", "5", "5", "1.00",
"1715756-CCVA", "EPA 300.0", "RES", "1715756-CCVA", "ESAI", "16887-00-
6", "Chloride", "20.0", "mg/l", "0.0994", "MDL", "TARGET", "100", "1.00", "RDL", "YES", "20.0", "5", "5", "0.100",
"1715756-CCVB", "EPA 300.0", "RES", "1715756-CCVB", "ESAI", "14797-55-8", "Nitrate as
N", "1.98", "mg/l", "0.007", "MDL", "TARGET", "99", "0.100", "RDL", "YES", "2.00", "5", "5", "0.100",
"1715756-CCVB", "EPA 300.0", "RES", "1715756-CCVB", "ESAI", "14808-79-8", "Sulfate as
SO4", "19.9", "mg/l", "0.798", "MDL", "TARGET", "100", "1.00", "RDL", "YES", "20.0", "5", "5", "1.00",
"1715756-CCVB", "EPA 300.0", "RES", "1715756-CCVB", "ESAI", "16887-00-
6", "Chloride", "20.0", "mg/l", "0.0994", "MDL", "TARGET", "100", "1.00", "RDL", "YES", "20.0", "5", "5", "0.100",
"1715756-SRM1", "EPA 300.0", "RES", "1715756-SRM1", "ESAI", "14797-55-8", "Nitrate as
N", "2.37", "mg/l", "0.007", "MDL", "TARGET", "95", "0.100", "RDL", "YES", "2.50", "5", "5", "0.100",
"1715756-SRM1", "EPA 300.0", "RES", "1715756-SRM1", "ESAI", "14808-79-8", "Sulfate as
SO4", "25.0", "mg/l", "0.798", "MDL", "TARGET", "100", "1.00", "RDL", "YES", "25.0", "5", "5", "1.00",
"1715756-SRM1", "EPA 300.0", "RES", "1715756-SRM1", "ESAI", "16887-00-
6", "Chloride", "24.6", "mg/l", "0.0994", "MDL", "TARGET", "98", "1.00", "RDL", "YES", "25.0", "5", "5", "0.100",
"1715902-BLK1", "SM18-22 5210B", "RES", "1715902-BLK1", "ESAI", "NA", "Biochemical Oxygen Demand (5-
day)", "2.97", "mg/l", "U", "2.74", "MDL", "TARGET", "3.00", "RDL", "YES", "-99", "300", "300", "2.97",
"1715902-BLK2", "SM18-22 5210B", "RES", "1715902-BLK2", "ESAI", "NA", "Biochemical Oxygen Demand (5-
day)", "2.97", "mg/l", "U", "2.74", "MDL", "TARGET", "3.00", "RDL", "YES", "-99", "300", "300", "2.97",
"1715902-BS1", "SM18-22 5210B", "RES", "1715902-BS1", "ESAI", "NA", "Biochemical Oxygen Demand (5-
day)", "202", "mg/l", "2.74", "MDL", "TARGET", "102", "100", "RDL", "YES", "198", "300", "300", "2.97",
"1715902-SRM1", "SM18-22 5210B", "RES", "1715902-SRM1", "ESAI", "NA", "Biochemical Oxygen Demand (5-
day)", "42.0", "mg/l", "2.74", "MDL", "TARGET", "92", "20.0", "RDL", "YES", "45.6", "300", "300", "2.97",
"1715902-SRM2", "SM18-22 5210B", "RES", "1715902-SRM2", "ESAI", "NA", "Biochemical Oxygen Demand (5-
day)", "40.0", "mg/l", "2.74", "MDL", "TARGET", "88", "20.0", "RDL", "YES", "45.6", "300", "300", "2.97",
"1715920-BLK1", "SW846 8081B", "RES", "1715920-BLK1", "ESAI", "1024-57-3", "Heptachlor
epoxide", "0.021", "mg/l", "U", "0.016", "MDL", "TARGET", "0.021", "RDL", "YES", "-99", "970", "10", "0.021",
"1715920-BLK1", "SW846 8081B", "RES", "1715920-BLK1", "ESAI", "1024-57-3", "Heptachlor epoxide
[2C]", "0.021", "mg/l", "U", "0.015", "MDL", "TARGET", "0.021", "RDL", "YES", "-99", "970", "10", "0.021",
"1715920-BLK1", "SW846 8081B", "RES", "1715920-BLK1", "ESAI", "1031-07-8", "Endosulfan
sulfate", "0.021", "mg/l", "U", "0.020", "MDL", "TARGET", "0.041", "RDL", "YES", "-99", "970", "10", "0.021",
"1715920-BLK1", "SW846 8081B", "RES", "1715920-BLK1", "ESAI", "1031-07-8", "Endosulfan sulfate
[2C]", "0.021", "mg/l", "U", "0.017", "MDL", "TARGET", "0.041", "RDL", "YES", "-99", "970", "10", "0.021",
"1715920-BLK1", "SW846 8081B", "RES", "1715920-BLK1", "ESAI", "10386-84-2", "4,4-DB-Octafluorobiphenyl
(Sr)", "0.218", "mg/l", "-99", "NA", "SUR", "106", "-99", "NA", "YES", "0.206", "970", "10", "-99",

"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl (Sr) [2C]","0.231","g/l","-99","NA","SUR","112","-99","NA","YES","0.206","970","10","-99",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","15972-60-8","Alachlor","0.021","g/l","U","0.019","MDL","TARGET","0.021","RDL","YES","-99","970","10","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","15972-60-8","Alachlor [2C]","0.021","g/l","U","0.018","MDL","TARGET","0.021","RDL","YES","-99","970","10","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","2051-24-3","Decachlorobiphenyl (Sr)","0.205","g/l","-99","NA","SUR","99","-99","NA","YES","0.206","970","10","-99",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","2051-24-3","Decachlorobiphenyl (Sr) [2C]","0.168","g/l","-99","NA","SUR","82","-99","NA","YES","0.206","970","10","-99",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","309-00-2","Aldrin","0.021","g/l","U","0.016","MDL","TARGET","0.021","RDL","YES","-99","970","10","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","309-00-2","Aldrin [2C]","0.021","g/l","U","0.019","MDL","TARGET","0.021","RDL","YES","-99","970","10","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","319-84-6","alpha-BHC","0.021","g/l","U","0.012","MDL","TARGET","0.021","RDL","YES","-99","970","10","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","319-84-6","alpha-BHC [2C]","0.021","g/l","U","0.018","MDL","TARGET","0.021","RDL","YES","-99","970","10","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","319-85-7","beta-BHC","0.021","g/l","U","0.015","MDL","TARGET","0.021","RDL","YES","-99","970","10","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","319-85-7","beta-BHC [2C]","0.021","g/l","U","0.020","MDL","TARGET","0.021","RDL","YES","-99","970","10","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","319-86-8","delta-BHC","0.021","g/l","U","0.016","MDL","TARGET","0.021","RDL","YES","-99","970","10","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","319-86-8","delta-BHC [2C]","0.021","g/l","U","0.020","MDL","TARGET","0.021","RDL","YES","-99","970","10","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","33213-65-9","Endosulfan II","0.021","g/l","U","0.021","MDL","TARGET","0.041","RDL","YES","-99","970","10","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","33213-65-9","Endosulfan II [2C]","0.021","g/l","U","0.016","MDL","TARGET","0.041","RDL","YES","-99","970","10","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","50-29-3","4,4'-DDT (p,p')","0.031","g/l","U","0.018","MDL","TARGET","0.041","RDL","YES","-99","970","10","0.031",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","50-29-3","4,4'-DDT (p,p') [2C]","0.031","g/l","U","0.022","MDL","TARGET","0.041","RDL","YES","-99","970","10","0.031",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","5103-71-9","alpha-Chlordane","0.021","g/l","U","0.016","MDL","TARGET","0.021","RDL","YES","-99","970","10","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","5103-71-9","alpha-Chlordane [2C]","0.021","g/l","U","0.018","MDL","TARGET","0.021","RDL","YES","-99","970","10","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","5103-74-2","Chlordane (gamma) (trans)","0.021","g/l","U","0.017","MDL","TARGET","0.021","RDL","YES","-99","970","10","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","5103-74-2","Chlordane (gamma)(trans) [2C]","0.021","g/l","U","0.015","MDL","TARGET","0.021","RDL","YES","-99","970","10","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","53494-70-5","Endrin ketone","0.021","g/l","U","0.018","MDL","TARGET","0.041","RDL","YES","-99","970","10","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","53494-70-5","Endrin ketone [2C]","0.021","g/l","U","0.019","MDL","TARGET","0.041","RDL","YES","-99","970","10","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","58-89-9","gamma-BHC (Lindane)","0.021","g/l","U","0.018","MDL","TARGET","0.021","RDL","YES","-99","970","10","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","58-89-9","gamma-BHC (Lindane) [2C]","0.021","g/l","U","0.018","MDL","TARGET","0.021","RDL","YES","-99","970","10","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","60-57-1","Dieldrin","0.021","g/l","U","0.018","MDL","TARGET","0.021","RDL","YES","-99","970","10","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","60-57-1","Dieldrin [2C]","0.021","g/l","U","0.019","MDL","TARGET","0.021","RDL","YES","-99","970","10","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","72-20-8","Endrin","0.021","g/l","U","0.020","MDL","TARGET","0.041","RDL","YES","-99","970","10","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","72-20-8","Endrin

[2C]","0.021","g/l","U","0.020","MDL","TARGET","0.041","RDL","YES","-99","970","10","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","72-43-5","Methoxychlor","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","72-43-5","Methoxychlor
[2C]","0.021","g/l","U","0.019","MDL","TARGET","0.041","RDL","YES","-99","970","10","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","72-54-8","4,4'-DDD
(p,p)","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","72-54-8","4,4'-DDD (p,p)
[2C]","0.021","g/l","U","0.018","MDL","TARGET","0.041","RDL","YES","-99","970","10","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","72-55-9","4,4'-DDE
(p,p)","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","72-55-9","4,4'-DDE (p,p)
[2C]","0.021","g/l","U","0.018","MDL","TARGET","0.021","RDL","YES","-99","970","10","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","7421-93-4","Endrin
aldehyde","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","7421-93-4","Endrin aldehyde
[2C]","0.021","g/l","U","0.018","MDL","TARGET","0.041","RDL","YES","-99","970","10","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","76-44-8","Heptachlor",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","76-44-8","Heptachlor
[2C]","0.021","g/l","U","0.020","MDL","TARGET","0.021","RDL","YES","-99","970","10","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","877-09-8","2,4,5,6-TC-M-Xylene
(IS)","0.020",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS)
[2C]","0.020","g/ml","-99","NA","ISTD","88","-99","NA","YES","10.0","970","10","-99",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","959-98-8","Endosulfan
I","0.021",
"1715920-BLK1","SW846 8081B","RES","1715920-BLK1","ESAI","959-98-8","Endosulfan I
[2C]","0.021","g/l","U","0.016","MDL","TARGET","0.021","RDL","YES","-99","970","10","0.021",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","1024-57-3","Heptachlor
epoxide","0.402",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","1024-57-3","Heptachlor epoxide
[2C]","0.403","g/l","0.015","MDL","TARGET","79","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","1031-07-8","Endosulfan
sulfate","0.418",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","1031-07-8","Endosulfan sulfate
[2C]","0.489","g/l","0.017","MDL","TARGET","96","0.041","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl
(Sr)","0.197",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl (Sr)
[2C]","0.204","g/l","-99","NA","SUR","100","-99","NA","YES","0.204","980","10","-99",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","15972-60-8","Alachlor",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","15972-60-8","Alachlor
[2C]","0.453","g/l","0.018","MDL","TARGET","89","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","2051-24-3","Decachlorobiphenyl
(Sr)","0.183",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","2051-24-3","Decachlorobiphenyl (Sr)
[2C]","0.147","g/l","-99","NA","SUR","72","-99","NA","YES","0.204","980","10","-99",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","309-00-2","Aldrin",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","309-00-2","Aldrin
[2C]","0.393","g/l","0.019","MDL","TARGET","77","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","319-84-6","alpha-

BHC","0.403","g/l","0.012","MDL","TARGET","79","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","319-84-6","alpha-BHC
[2C]","0.409","g/l","0.018","MDL","TARGET","80","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","319-85-7","beta-
BHC","0.426","g/l","0.015","MDL","TARGET","83","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","319-85-7","beta-BHC
[2C]","0.472","g/l","0.019","MDL","TARGET","93","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","319-86-8","delta-
BHC","0.420","g/l","0.016","MDL","TARGET","82","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","319-86-8","delta-BHC
[2C]","0.432","g/l","0.020","MDL","TARGET","85","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","33213-65-9","Endosulfan
II","0.410","g/l","0.020","MDL","TARGET","80","0.041","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","33213-65-9","Endosulfan II
[2C]","0.489","g/l","0.016","MDL","TARGET","96","0.041","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","50-29-3","4,4'-DDT
(p,p')","0.273","g/l","0.018","MDL","TARGET","54","0.041","RDL","YES","0.510","980","10","0.031",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","50-29-3","4,4'-DDT (p,p')
[2C]","0.397","g/l","0.022","MDL","TARGET","78","0.041","RDL","YES","0.510","980","10","0.031",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","5103-71-9","alpha-
Chlordane","0.417","g/l","0.016","MDL","TARGET","82","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","5103-71-9","alpha-Chlordane
[2C]","0.421","g/l","0.017","MDL","TARGET","83","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","5103-74-2","Chlordane (gamma)
(trans)","0.431","g/l","0.016","MDL","TARGET","85","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","5103-74-2","Chlordane (gamma)(trans)
[2C]","0.418","g/l","0.014","MDL","TARGET","82","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","53494-70-5","Endrin
ketone","0.347","g/l","0.018","MDL","TARGET","68","0.041","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","53494-70-5","Endrin ketone
[2C]","0.423","g/l","0.018","MDL","TARGET","83","0.041","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","58-89-9","gamma-BHC
(Lindane)","0.393","g/l","0.018","MDL","TARGET","77","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","58-89-9","gamma-BHC (Lindane)
[2C]","0.415","g/l","0.018","MDL","TARGET","81","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","60-57-
1","Dieldrin","0.399","g/l","0.017","MDL","TARGET","78","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","60-57-1","Dieldrin
[2C]","0.390","g/l","0.019","MDL","TARGET","76","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","72-20-
8","Endrin","0.485","g/l","0.020","MDL","TARGET","95","0.041","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","72-20-8","Endrin
[2C]","0.497","g/l","0.020","MDL","TARGET","98","0.041","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","72-43-
5","Methoxychlor","0.392","g/l","0.019","MDL","TARGET","77","0.041","RDL","YES","0.510","980","10",
0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","72-43-5","Methoxychlor
[2C]","0.438","g/l","0.019","MDL","TARGET","86","0.041","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","72-54-8","4,4'-DDD
(p,p')","0.410","g/l","0.019","MDL","TARGET","80","0.041","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","72-54-8","4,4'-DDD (p,p')
[2C]","0.474","g/l","0.018","MDL","TARGET","93","0.041","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","72-55-9","4,4'-DDE
(p,p')","0.389","g/l","0.018","MDL","TARGET","76","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","72-55-9","4,4'-DDE (p,p')
[2C]","0.386","g/l","0.018","MDL","TARGET","76","0.020","RDL","YES","0.510","980","10","0.020",

"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","7421-93-4","Endrin aldehyde","0.437","g/l","0.020","MDL","TARGET","86","0.041","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","7421-93-4","Endrin aldehyde [2C]","0.503","g/l","0.018","MDL","TARGET","99","0.041","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","76-44-8","Heptachlor","0.407","g/l","0.020","MDL","TARGET","80","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","76-44-8","Heptachlor [2C]","0.460","g/l","0.020","MDL","TARGET","90","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS)","0.020","g/ml","-99","NA","ISTD","93","-99","NA","YES","10.0","980","10","-99",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS) [2C]","0.020","g/ml","-99","NA","ISTD","101","-99","NA","YES","10.0","980","10","-99",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","959-98-8","Endosulfan I","0.412","g/l","0.017","MDL","TARGET","81","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BS1","SW846 8081B","RES","1715920-BS1","ESAI","959-98-8","Endosulfan I [2C]","0.447","g/l","0.016","MDL","TARGET","88","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BSD1","SW846 8081B","RES","1715920-BSD1","ESAI","1024-57-3","Heptachlor epoxide","0.384","g/l","0.016","MDL","TARGET","75","5","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BSD1","SW846 8081B","RES","1715920-BSD1","ESAI","1024-57-3","Heptachlor epoxide [2C]","0.395","g/l","0.015","MDL","TARGET","77","2","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BSD1","SW846 8081B","RES","1715920-BSD1","ESAI","1031-07-8","Endosulfan sulfate","0.402","g/l","0.020","MDL","TARGET","79","4","0.041","RDL","YES","0.510","980","10","0.020",
"1715920-BSD1","SW846 8081B","RES","1715920-BSD1","ESAI","1031-07-8","Endosulfan sulfate [2C]","0.493","g/l","0.017","MDL","TARGET","97","0.8","0.041","RDL","YES","0.510","980","10","0.020",
"1715920-BSD1","SW846 8081B","RES","1715920-BSD1","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl (Sr)","0.191","g/l","-99","NA","SUR","94","-99","NA","YES","0.204","980","10","-99",
"1715920-BSD1","SW846 8081B","RES","1715920-BSD1","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl (Sr) [2C]","0.207","g/l","-99","NA","SUR","101","-99","NA","YES","0.204","980","10","-99",
"1715920-BSD1","SW846 8081B","RES","1715920-BSD1","ESAI","15972-60-8","Alachlor","0.414","g/l","0.019","MDL","TARGET","81","9","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BSD1","SW846 8081B","RES","1715920-BSD1","ESAI","15972-60-8","Alachlor [2C]","0.482","g/l","0.018","MDL","TARGET","94","6","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BSD1","SW846 8081B","RES","1715920-BSD1","ESAI","2051-24-3","Decachlorobiphenyl (Sr)","0.212","g/l","-99","NA","SUR","104","-99","NA","YES","0.204","980","10","-99",
"1715920-BSD1","SW846 8081B","RES","1715920-BSD1","ESAI","2051-24-3","Decachlorobiphenyl (Sr) [2C]","0.150","g/l","-99","NA","SUR","73","-99","NA","YES","0.204","980","10","-99",
"1715920-BSD1","SW846 8081B","RES","1715920-BSD1","ESAI","309-00-2","Aldrin","0.381","g/l","0.016","MDL","TARGET","75","5","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BSD1","SW846 8081B","RES","1715920-BSD1","ESAI","309-00-2","Aldrin [2C]","0.383","g/l","0.019","MDL","TARGET","75","2","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BSD1","SW846 8081B","RES","1715920-BSD1","ESAI","319-84-6","alpha-BHC","0.378","g/l","0.012","MDL","TARGET","74","6","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BSD1","SW846 8081B","RES","1715920-BSD1","ESAI","319-84-6","alpha-BHC [2C]","0.393","g/l","0.018","MDL","TARGET","77","4","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BSD1","SW846 8081B","RES","1715920-BSD1","ESAI","319-85-7","beta-BHC","0.390","g/l","0.015","MDL","TARGET","76","9","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BSD1","SW846 8081B","RES","1715920-BSD1","ESAI","319-85-7","beta-BHC [2C]","0.446","g/l","0.019","MDL","TARGET","87","6","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BSD1","SW846 8081B","RES","1715920-BSD1","ESAI","319-86-8","delta-BHC","0.369","g/l","0.016","MDL","TARGET","72","13","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BSD1","SW846 8081B","RES","1715920-BSD1","ESAI","319-86-8","delta-BHC [2C]","0.406","g/l","0.020","MDL","TARGET","80","6","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BSD1","SW846 8081B","RES","1715920-BSD1","ESAI","33213-65-9","Endosulfan

II", "0.413", "g/l", "0.020", "MDL", "TARGET", "81", "0.7", "0.041", "RDL", "YES", "0.510", "980", "10", "0.020",
"1715920-BSD1", "SW846 8081B", "RES", "1715920-BSD1", "ESAI", "33213-65-9", "Endosulfan II
[2C]", "0.469", "g/l", "0.016", "MDL", "TARGET", "92", "4", "0.041", "RDL", "YES", "0.510", "980", "10", "0.020",
"1715920-BSD1", "SW846 8081B", "RES", "1715920-BSD1", "ESAI", "50-29-3", "4,4'-DDT
(p,p)", "0.266", "g/l", "0.018", "MDL", "TARGET", "52", "3", "0.041", "RDL", "YES", "0.510", "980", "10", "0.031",
"1715920-BSD1", "SW846 8081B", "RES", "1715920-BSD1", "ESAI", "50-29-3", "4,4'-DDT (p,p)
[2C]", "0.345", "g/l", "0.022", "MDL", "TARGET", "68", "14", "0.041", "RDL", "YES", "0.510", "980", "10", "0.031",
"1715920-BSD1", "SW846 8081B", "RES", "1715920-BSD1", "ESAI", "5103-71-9", "alpha-
Chlordane", "0.397", "g/l", "0.016", "MDL", "TARGET", "78", "5", "0.020", "RDL", "YES", "0.510", "980", "10", "0.02
0",
"1715920-BSD1", "SW846 8081B", "RES", "1715920-BSD1", "ESAI", "5103-71-9", "alpha-Chlordane
[2C]", "0.417", "g/l", "0.017", "MDL", "TARGET", "82", "1", "0.020", "RDL", "YES", "0.510", "980", "10", "0.020",
"1715920-BSD1", "SW846 8081B", "RES", "1715920-BSD1", "ESAI", "5103-74-2", "Chlordane (gamma)
(trans)", "0.417", "g/l", "0.016", "MDL", "TARGET", "82", "3", "0.020", "RDL", "YES", "0.510", "980", "10", "0.020",
"1715920-BSD1", "SW846 8081B", "RES", "1715920-BSD1", "ESAI", "5103-74-2", "Chlordane (gamma)(trans)
[2C]", "0.411", "g/l", "0.014", "MDL", "TARGET", "81", "2", "0.020", "RDL", "YES", "0.510", "980", "10", "0.020",
"1715920-BSD1", "SW846 8081B", "RES", "1715920-BSD1", "ESAI", "53494-70-5", "Endrin
ketone", "0.338", "g/l", "0.018", "MDL", "TARGET", "66", "3", "0.041", "RDL", "YES", "0.510", "980", "10", "0.020",
"1715920-BSD1", "SW846 8081B", "RES", "1715920-BSD1", "ESAI", "53494-70-5", "Endrin ketone
[2C]", "0.405", "g/l", "0.018", "MDL", "TARGET", "79", "4", "0.041", "RDL", "YES", "0.510", "980", "10", "0.020",
"1715920-BSD1", "SW846 8081B", "RES", "1715920-BSD1", "ESAI", "58-89-9", "gamma-BHC
(Lindane)", "0.368", "g/l", "0.018", "MDL", "TARGET", "72", "7", "0.020", "RDL", "YES", "0.510", "980", "10", "0.02
0",
"1715920-BSD1", "SW846 8081B", "RES", "1715920-BSD1", "ESAI", "58-89-9", "gamma-BHC (Lindane)
[2C]", "0.402", "g/l", "0.018", "MDL", "TARGET", "79", "3", "0.020", "RDL", "YES", "0.510", "980", "10", "0.020",
"1715920-BSD1", "SW846 8081B", "RES", "1715920-BSD1", "ESAI", "60-57-
1", "Dieldrin", "0.387", "g/l", "0.017", "MDL", "TARGET", "76", "3", "0.020", "RDL", "YES", "0.510", "980", "10", "0.0
20",
"1715920-BSD1", "SW846 8081B", "RES", "1715920-BSD1", "ESAI", "60-57-1", "Dieldrin
[2C]", "0.385", "g/l", "0.019", "MDL", "TARGET", "75", "1", "0.020", "RDL", "YES", "0.510", "980", "10", "0.020",
"1715920-BSD1", "SW846 8081B", "RES", "1715920-BSD1", "ESAI", "72-20-
8", "Endrin", "0.470", "g/l", "0.020", "MDL", "TARGET", "92", "3", "0.041", "RDL", "YES", "0.510", "980", "10", "0.02
0",
"1715920-BSD1", "SW846 8081B", "RES", "1715920-BSD1", "ESAI", "72-20-8", "Endrin
[2C]", "0.475", "g/l", "0.020", "MDL", "TARGET", "93", "5", "0.041", "RDL", "YES", "0.510", "980", "10", "0.020",
"1715920-BSD1", "SW846 8081B", "RES", "1715920-BSD1", "ESAI", "72-43-
5", "Methoxychlor", "0.375", "g/l", "0.019", "MDL", "TARGET", "73", "4", "0.041", "RDL", "YES", "0.510", "980", "10
", "0.020",
"1715920-BSD1", "SW846 8081B", "RES", "1715920-BSD1", "ESAI", "72-43-5", "Methoxychlor
[2C]", "0.387", "g/l", "0.019", "MDL", "TARGET", "76", "12", "0.041", "RDL", "YES", "0.510", "980", "10", "0.020",
"1715920-BSD1", "SW846 8081B", "RES", "1715920-BSD1", "ESAI", "72-54-8", "4,4'-DDD
(p,p)", "0.406", "g/l", "0.019", "MDL", "TARGET", "80", "0.9", "0.041", "RDL", "YES", "0.510", "980", "10", "0.020",
"1715920-BSD1", "SW846 8081B", "RES", "1715920-BSD1", "ESAI", "72-54-8", "4,4'-DDD (p,p)
[2C]", "0.480", "g/l", "0.018", "MDL", "TARGET", "94", "1", "0.041", "RDL", "YES", "0.510", "980", "10", "0.020",
"1715920-BSD1", "SW846 8081B", "RES", "1715920-BSD1", "ESAI", "72-55-9", "4,4'-DDE
(p,p)", "0.380", "g/l", "0.018", "MDL", "TARGET", "74", "2", "0.020", "RDL", "YES", "0.510", "980", "10", "0.020",
"1715920-BSD1", "SW846 8081B", "RES", "1715920-BSD1", "ESAI", "72-55-9", "4,4'-DDE (p,p)
[2C]", "0.371", "g/l", "0.018", "MDL", "TARGET", "73", "4", "0.020", "RDL", "YES", "0.510", "980", "10", "0.020",
"1715920-BSD1", "SW846 8081B", "RES", "1715920-BSD1", "ESAI", "7421-93-4", "Endrin
aldehyde", "0.425", "g/l", "0.020", "MDL", "TARGET", "83", "3", "0.041", "RDL", "YES", "0.510", "980", "10", "0.02
0",
"1715920-BSD1", "SW846 8081B", "RES", "1715920-BSD1", "ESAI", "7421-93-4", "Endrin aldehyde
[2C]", "0.489", "g/l", "0.018", "MDL", "TARGET", "96", "3", "0.041", "RDL", "YES", "0.510", "980", "10", "0.020",
"1715920-BSD1", "SW846 8081B", "RES", "1715920-BSD1", "ESAI", "76-44-
8", "Heptachlor", "0.380", "g/l", "0.020", "MDL", "TARGET", "75", "7", "0.020", "RDL", "YES", "0.510", "980", "10", "
0.020",
"1715920-BSD1", "SW846 8081B", "RES", "1715920-BSD1", "ESAI", "76-44-8", "Heptachlor

[2C]"0.451","g/l","0.020","MDL","TARGET","88","2","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BSD1","SW846 8081B","RES","1715920-BSD1","ESAI","877-09-8","2,4,5,6-TC-M-Xylene
(IS)","0.020","g/ml","-99","NA","ISTD","89","-99","NA","YES","10.0","980","10","-99",
"1715920-BSD1","SW846 8081B","RES","1715920-BSD1","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS)
[2C]"0.020","g/ml","-99","NA","ISTD","93","-99","NA","YES","10.0","980","10","-99",
"1715920-BSD1","SW846 8081B","RES","1715920-BSD1","ESAI","959-98-8","Endosulfan
I","0.396","g/l","0.017","MDL","TARGET","78","4","0.020","RDL","YES","0.510","980","10","0.020",
"1715920-BSD1","SW846 8081B","RES","1715920-BSD1","ESAI","959-98-8","Endosulfan I
[2C]"0.432","g/l","0.016","MDL","TARGET","85","4","0.020","RDL","YES","0.510","980","10","0.020",
"1715985-BLK1","SM2320B (97, 11)","RES","1715985-BLK1","ESAI","NA","Total Alkalinity","2.30","mg/l
CaCO3","J","1.05","MDL","TARGET","4.00","RDL","YES","-99","50","50","3.00",
"1715985-BLK2","SM2320B (97, 11)","RES","1715985-BLK2","ESAI","NA","Total Alkalinity","3.00","mg/l
CaCO3","U","1.05","MDL","TARGET","4.00","RDL","YES","-99","50","50","3.00",
"1715985-BLK3","SM2320B (97, 11)","RES","1715985-BLK3","ESAI","NA","Total Alkalinity","3.00","mg/l
CaCO3","U","1.05","MDL","TARGET","4.00","RDL","YES","-99","50","50","3.00",
"1715985-BLK4","SM2320B (97, 11)","RES","1715985-BLK4","ESAI","NA","Total Alkalinity","3.00","mg/l
CaCO3","U","1.05","MDL","TARGET","4.00","RDL","YES","-99","50","50","3.00",
"1715985-BS1","SM2320B (97, 11)","RES","1715985-BS1","ESAI","NA","Total Alkalinity","51.3","mg/l
CaCO3","1.05","MDL","TARGET","103","4.00","RDL","YES","50.0","50","50","3.00",
"1715985-BS2","SM2320B (97, 11)","RES","1715985-BS2","ESAI","NA","Total Alkalinity","51.7","mg/l
CaCO3","1.05","MDL","TARGET","103","4.00","RDL","YES","50.0","50","50","3.00",
"1715985-BS3","SM2320B (97, 11)","RES","1715985-BS3","ESAI","NA","Total Alkalinity","51.6","mg/l
CaCO3","1.05","MDL","TARGET","103","4.00","RDL","YES","50.0","50","50","3.00",
"1715985-BS4","SM2320B (97, 11)","RES","1715985-BS4","ESAI","NA","Total Alkalinity","50.8","mg/l
CaCO3","1.05","MDL","TARGET","102","4.00","RDL","YES","50.0","50","50","3.00",
"1715985-SRM1","SM2320B (97, 11)","RES","1715985-SRM1","ESAI","NA","Total Alkalinity","125","mg/l
CaCO3","3.50","MDL","TARGET","101","13.3","RDL","YES","124","15","50","10.0",
"1716073-BLK1","Mod EPA 3C/SOP RSK-175","RES","1716073-BLK1","ESAI","74-82-
8","Methane","2.20","g/l","U","2.16","MDL","TARGET","2.20","RDL","YES","-99","10","10","2.20",
"1716073-BLK1","Mod EPA 3C/SOP RSK-175","RES","1716073-BLK1","ESAI","74-84-
0","Ethane","5.00","g/l","U","3.48","MDL","TARGET","5.00","RDL","YES","-99","10","10","5.00",
"1716073-BS1","Mod EPA 3C/SOP RSK-175","RES","1716073-BS1","ESAI","74-82-
8","Methane","445","mg/l","-99","NA","TARGET","89","-99","NA","YES","500","10","10","-99",
"1716073-BS1","Mod EPA 3C/SOP RSK-175","RES","1716073-BS1","ESAI","74-84-
0","Ethane","491","mg/l","-99","NA","TARGET","98","-99","NA","YES","500","10","10","-99",
"1716099-BLK1","SW846 8082A","RES","1716099-BLK1","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl
(Sr)","0.122","g/l","-99","NA","SUR","60","-99","NA","YES","0.204","980","10","-99",
"1716099-BLK1","SW846 8082A","RES","1716099-BLK1","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl
(Sr) [2C]"0.133","g/l","-99","NA","SUR","65","-99","NA","YES","0.204","980","10","-99",
"1716099-BLK1","SW846 8082A","RES","1716099-BLK1","ESAI","11096-82-5","Aroclor-
1260","0.204","g/l","U","0.0868","MDL","TARGET","0.204","RDL","YES","-99","980","10","0.204",
"1716099-BLK1","SW846 8082A","RES","1716099-BLK1","ESAI","11096-82-5","Aroclor-1260
[2C]"0.204","g/l","U","0.118","MDL","TARGET","0.204","RDL","YES","-99","980","10","0.204",
"1716099-BLK1","SW846 8082A","RES","1716099-BLK1","ESAI","11097-69-1","Aroclor-
1254","0.204","g/l","U","0.118","MDL","TARGET","0.204","RDL","YES","-99","980","10","0.204",
"1716099-BLK1","SW846 8082A","RES","1716099-BLK1","ESAI","11097-69-1","Aroclor-1254
[2C]"0.204","g/l","U","0.116","MDL","TARGET","0.204","RDL","YES","-99","980","10","0.204",
"1716099-BLK1","SW846 8082A","RES","1716099-BLK1","ESAI","11100-14-4","Aroclor-
1268","0.204","g/l","U","0.0934","MDL","TARGET","0.204","RDL","YES","-99","980","10","0.204",
"1716099-BLK1","SW846 8082A","RES","1716099-BLK1","ESAI","11100-14-4","Aroclor-1268
[2C]"0.204","g/l","U","0.121","MDL","TARGET","0.204","RDL","YES","-99","980","10","0.204",
"1716099-BLK1","SW846 8082A","RES","1716099-BLK1","ESAI","11104-28-2","Aroclor-
1221","0.204","g/l","U","0.117","MDL","TARGET","0.204","RDL","YES","-99","980","10","0.204",
"1716099-BLK1","SW846 8082A","RES","1716099-BLK1","ESAI","11104-28-2","Aroclor-1221
[2C]"0.204","g/l","U","0.184","MDL","TARGET","0.204","RDL","YES","-99","980","10","0.204",
"1716099-BLK1","SW846 8082A","RES","1716099-BLK1","ESAI","11141-16-5","Aroclor-
1232","0.204","g/l","U","0.113","MDL","TARGET","0.204","RDL","YES","-99","980","10","0.204",

"1716099-BLK1","SW846 8082A","RES","1716099-BLK1","ESAI","11141-16-5","Aroclor-1232 [2C]","0.204","g/l","U","0.0865","MDL","TARGET","0.204","RDL","YES","-99","980","10","0.204",
"1716099-BLK1","SW846 8082A","RES","1716099-BLK1","ESAI","12672-29-6","Aroclor-1248","0.204","g/l","U","0.139","MDL","TARGET","0.204","RDL","YES","-99","980","10","0.204",
"1716099-BLK1","SW846 8082A","RES","1716099-BLK1","ESAI","12672-29-6","Aroclor-1248 [2C]","0.204","g/l","U","0.128","MDL","TARGET","0.204","RDL","YES","-99","980","10","0.204",
"1716099-BLK1","SW846 8082A","RES","1716099-BLK1","ESAI","12674-11-2","Aroclor-1016","0.204","g/l","U","0.106","MDL","TARGET","0.204","RDL","YES","-99","980","10","0.204",
"1716099-BLK1","SW846 8082A","RES","1716099-BLK1","ESAI","12674-11-2","Aroclor-1016 [2C]","0.204","g/l","U","0.124","MDL","TARGET","0.204","RDL","YES","-99","980","10","0.204",
"1716099-BLK1","SW846 8082A","RES","1716099-BLK1","ESAI","2051-24-3","Decachlorobiphenyl (Sr)","0.153","g/l","-99","NA","SUR","75","-99","NA","YES","0.204","980","10","-99",
"1716099-BLK1","SW846 8082A","RES","1716099-BLK1","ESAI","2051-24-3","Decachlorobiphenyl (Sr) [2C]","0.153","g/l","-99","NA","SUR","75","-99","NA","YES","0.204","980","10","-99",
"1716099-BLK1","SW846 8082A","RES","1716099-BLK1","ESAI","37324-23-5","Aroclor-1262","0.204","g/l","U","0.0914","MDL","TARGET","0.204","RDL","YES","-99","980","10","0.204",
"1716099-BLK1","SW846 8082A","RES","1716099-BLK1","ESAI","37324-23-5","Aroclor-1262 [2C]","0.204","g/l","U","0.130","MDL","TARGET","0.204","RDL","YES","-99","980","10","0.204",
"1716099-BLK1","SW846 8082A","RES","1716099-BLK1","ESAI","53469-21-9","Aroclor-1242","0.204","g/l","U","0.109","MDL","TARGET","0.204","RDL","YES","-99","980","10","0.204",
"1716099-BLK1","SW846 8082A","RES","1716099-BLK1","ESAI","53469-21-9","Aroclor-1242 [2C]","0.204","g/l","U","0.107","MDL","TARGET","0.204","RDL","YES","-99","980","10","0.204",
"1716099-BLK1","SW846 8082A","RES","1716099-BLK1","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS)","0.0200","g/ml","-99","NA","ISTD","107","-99","NA","YES","10.0","980","10","-99",
"1716099-BLK1","SW846 8082A","RES","1716099-BLK1","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS) [2C]","0.0200","g/ml","-99","NA","ISTD","100","-99","NA","YES","10.0","980","10","-99",
"1716099-BS1","SW846 8082A","RES","1716099-BS1","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl (Sr)","0.122","g/l","-99","NA","SUR","60","-99","NA","YES","0.204","980","10","-99",
"1716099-BS1","SW846 8082A","RES","1716099-BS1","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl (Sr) [2C]","0.122","g/l","-99","NA","SUR","60","-99","NA","YES","0.204","980","10","-99",
"1716099-BS1","SW846 8082A","RES","1716099-BS1","ESAI","11096-82-5","Aroclor-1260","2.27","g/l","0.0868","MDL","TARGET","89","0.204","RDL","YES","2.55","980","10","0.204",
"1716099-BS1","SW846 8082A","RES","1716099-BS1","ESAI","11096-82-5","Aroclor-1260 [2C]","2.46","g/l","0.118","MDL","TARGET","96","0.204","RDL","YES","2.55","980","10","0.204",
"1716099-BS1","SW846 8082A","RES","1716099-BS1","ESAI","12674-11-2","Aroclor-1016","2.24","g/l","0.106","MDL","TARGET","88","0.204","RDL","YES","2.55","980","10","0.204",
"1716099-BS1","SW846 8082A","RES","1716099-BS1","ESAI","12674-11-2","Aroclor-1016 [2C]","2.38","g/l","0.124","MDL","TARGET","93","0.204","RDL","YES","2.55","980","10","0.204",
"1716099-BS1","SW846 8082A","RES","1716099-BS1","ESAI","2051-24-3","Decachlorobiphenyl (Sr)","0.143","g/l","-99","NA","SUR","70","-99","NA","YES","0.204","980","10","-99",
"1716099-BS1","SW846 8082A","RES","1716099-BS1","ESAI","2051-24-3","Decachlorobiphenyl (Sr) [2C]","0.143","g/l","-99","NA","SUR","70","-99","NA","YES","0.204","980","10","-99",
"1716099-BS1","SW846 8082A","RES","1716099-BS1","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS)","0.0200","g/ml","-99","NA","ISTD","113","-99","NA","YES","10.0","980","10","-99",
"1716099-BS1","SW846 8082A","RES","1716099-BS1","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS) [2C]","0.0200","g/ml","-99","NA","ISTD","104","-99","NA","YES","10.0","980","10","-99",
"1716099-BSD1","SW846 8082A","RES","1716099-BSD1","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl (Sr)","0.133","g/l","-99","NA","SUR","65","-99","NA","YES","0.204","980","10","-99",
"1716099-BSD1","SW846 8082A","RES","1716099-BSD1","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl (Sr) [2C]","0.122","g/l","-99","NA","SUR","60","-99","NA","YES","0.204","980","10","-99",
"1716099-BSD1","SW846 8082A","RES","1716099-BSD1","ESAI","11096-82-5","Aroclor-1260","2.31","g/l","0.0868","MDL","TARGET","90","2","0.204","RDL","YES","2.55","980","10","0.204",
"1716099-BSD1","SW846 8082A","RES","1716099-BSD1","ESAI","11096-82-5","Aroclor-1260 [2C]","2.39","g/l","0.118","MDL","TARGET","94","3","0.204","RDL","YES","2.55","980","10","0.204",
"1716099-BSD1","SW846 8082A","RES","1716099-BSD1","ESAI","12674-11-2","Aroclor-1016","2.24","g/l","0.106","MDL","TARGET","88","0","0.204","RDL","YES","2.55","980","10","0.204",
"1716099-BSD1","SW846 8082A","RES","1716099-BSD1","ESAI","12674-11-2","Aroclor-1016

[2C]"2.36","g/l","0.124","MDL","TARGET","92","0.9","0.204","RDL","YES","2.55","980","10","0.204",
"1716099-BSD1","SW846 8082A","RES","1716099-BSD1","ESAI","2051-24-3","Decachlorobiphenyl
(Sr)","0.133","g/l","-99","NA","SUR","65","-99","NA","YES","0.204","980","10","-99",
"1716099-BSD1","SW846 8082A","RES","1716099-BSD1","ESAI","2051-24-3","Decachlorobiphenyl (Sr)
[2C]"0.143","g/l","-99","NA","SUR","70","-99","NA","YES","0.204","980","10","-99",
"1716099-BSD1","SW846 8082A","RES","1716099-BSD1","ESAI","877-09-8","2,4,5,6-TC-M-Xylene
(IS)","0.0200","g/ml","-99","NA","ISTD","115","-99","NA","YES","10.0","980","10","-99",
"1716099-BSD1","SW846 8082A","RES","1716099-BSD1","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS)
[2C]"0.0200","g/ml","-99","NA","ISTD","105","-99","NA","YES","10.0","980","10","-99",
"1716100-BLK1","SW846 8270D","RES","1716100-BLK1","ESAI","1146-65-2","Naphthalene-
d8","40.0","g/ml","-99","NA","ISTD","106","-99","NA","YES","40.0","980","1","-99",
"1716100-BLK1","SW846 8270D","RES","1716100-BLK1","ESAI","120-12-
7","Anthracene","1.02","g/l","U","0.620","MDL","TARGET","5.10","RDL","YES","-99","980","1","1.02",
"1716100-BLK1","SW846 8270D","RES","1716100-BLK1","ESAI","129-00-
0","Pyrene","1.02","g/l","U","0.622","MDL","TARGET","5.10","RDL","YES","-99","980","1","1.02",
"1716100-BLK1","SW846 8270D","RES","1716100-BLK1","ESAI","15067-26-2","Acenaphthene-
d10","40.0","g/ml","-99","NA","ISTD","102","-99","NA","YES","40.0","980","1","-99",
"1716100-BLK1","SW846 8270D","RES","1716100-BLK1","ESAI","1517-22-2","Phenanthrene-
d10","40.0","g/ml","-99","NA","ISTD","100","-99","NA","YES","40.0","980","1","-99",
"1716100-BLK1","SW846 8270D","RES","1716100-BLK1","ESAI","1520-96-3","Perylene-
d12","40.0","g/ml","-99","NA","ISTD","103","-99","NA","YES","40.0","980","1","-99",
"1716100-BLK1","SW846 8270D","RES","1716100-BLK1","ESAI","1718-51-0","Terphenyl-
d14","35.2","g/l","-99","NA","SUR","69","-99","NA","YES","51.0","980","1","-99",
"1716100-BLK1","SW846 8270D","RES","1716100-BLK1","ESAI","1719-03-5","Chrysene-
d12","40.0","g/ml","-99","NA","ISTD","104","-99","NA","YES","40.0","980","1","-99",
"1716100-BLK1","SW846 8270D","RES","1716100-BLK1","ESAI","191-24-2","Benzo (g,h,i)
perylene","1.02","g/l","U","0.541","MDL","TARGET","5.10","RDL","YES","-99","980","1","1.02",
"1716100-BLK1","SW846 8270D","RES","1716100-BLK1","ESAI","193-39-5","Indeno (1,2,3-cd)
pyrene","1.02","g/l","U","0.592","MDL","TARGET","5.10","RDL","YES","-99","980","1","1.02",
"1716100-BLK1","SW846 8270D","RES","1716100-BLK1","ESAI","205-99-2","Benzo (b)
fluoranthene","1.02","g/l","U","0.446","MDL","TARGET","5.10","RDL","YES","-99","980","1","1.02",
"1716100-BLK1","SW846 8270D","RES","1716100-BLK1","ESAI","206-44-
0","Fluoranthene","1.02","g/l","U","0.651","MDL","TARGET","5.10","RDL","YES","-99","980","1","1.02",
"1716100-BLK1","SW846 8270D","RES","1716100-BLK1","ESAI","207-08-9","Benzo (k)
fluoranthene","1.02","g/l","U","0.490","MDL","TARGET","5.10","RDL","YES","-99","980","1","1.02",
"1716100-BLK1","SW846 8270D","RES","1716100-BLK1","ESAI","208-96-
8","Acenaphthylene","1.02","g/l","U","0.697","MDL","TARGET","5.10","RDL","YES","-99","980","1","1.02",
"1716100-BLK1","SW846 8270D","RES","1716100-BLK1","ESAI","218-01-
9","Chrysene","1.02","g/l","U","0.543","MDL","TARGET","5.10","RDL","YES","-99","980","1","1.02",
"1716100-BLK1","SW846 8270D","RES","1716100-BLK1","ESAI","321-60-8","2-
Fluorobiphenyl","27.3","g/l","-99","NA","SUR","53","-99","NA","YES","51.0","980","1","-99",
"1716100-BLK1","SW846 8270D","RES","1716100-BLK1","ESAI","4165-60-0","Nitrobenzene-
d5","27.7","g/l","-99","NA","SUR","54","-99","NA","YES","51.0","980","1","-99",
"1716100-BLK1","SW846 8270D","RES","1716100-BLK1","ESAI","50-32-8","Benzo (a)
pyrene","1.02","g/l","U","0.573","MDL","TARGET","5.10","RDL","YES","-99","980","1","1.02",
"1716100-BLK1","SW846 8270D","RES","1716100-BLK1","ESAI","53-70-3","Dibenzo (a,h)
anthracene","1.02","g/l","U","0.459","MDL","TARGET","5.10","RDL","YES","-99","980","1","1.02",
"1716100-BLK1","SW846 8270D","RES","1716100-BLK1","ESAI","56-55-3","Benzo (a)
anthracene","1.02","g/l","U","0.547","MDL","TARGET","5.10","RDL","YES","-99","980","1","1.02",
"1716100-BLK1","SW846 8270D","RES","1716100-BLK1","ESAI","83-32-
9","Acenaphthene","1.02","g/l","U","0.705","MDL","TARGET","5.10","RDL","YES","-99","980","1","1.02",
"1716100-BLK1","SW846 8270D","RES","1716100-BLK1","ESAI","85-01-
8","Phenanthrene","1.02","g/l","U","0.598","MDL","TARGET","5.10","RDL","YES","-99","980","1","1.02",
"1716100-BLK1","SW846 8270D","RES","1716100-BLK1","ESAI","86-73-
7","Fluorene","1.02","g/l","U","0.624","MDL","TARGET","5.10","RDL","YES","-99","980","1","1.02",
"1716100-BLK1","SW846 8270D","RES","1716100-BLK1","ESAI","90-12-0","1-

Methylnaphthalene", "1.02", "◆g/l", "U", "0.748", "MDL", "TARGET", "5.10", "RDL", "YES", "-99", "980", "1", "1.02"
/ "1716100-BLK1", "SW846 8270D", "RES", "1716100-BLK1", "ESAI", "91-20-3", "Naphthalene", "1.02", "◆g/l", "U", "0.699", "MDL", "TARGET", "5.10", "RDL", "YES", "-99", "980", "1", "1.02",
"1716100-BLK1", "SW846 8270D", "RES", "1716100-BLK1", "ESAI", "91-57-6", "2-
Methylnaphthalene", "1.02", "◆g/l", "U", "0.586", "MDL", "TARGET", "5.10", "RDL", "YES", "-99", "980", "1", "1.02"
/ "1716100-BS1", "SW846 8270D", "RES", "1716100-BS1", "ESAI", "1146-65-2", "Naphthalene-
d8", "40.0", "◆g/ml", "-99", "NA", "ISTD", "100", "-99", "NA", "YES", "40.0", "990", "1", "-99",
"1716100-BS1", "SW846 8270D", "RES", "1716100-BS1", "ESAI", "120-12-7", "Anthracene", "28.6", "◆g/l", "0.614", "MDL", "TARGET", "57", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1716100-BS1", "SW846 8270D", "RES", "1716100-BS1", "ESAI", "129-00-0", "Pyrene", "28.9", "◆g/l", "0.616", "MDL", "TARGET", "57", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1716100-BS1", "SW846 8270D", "RES", "1716100-BS1", "ESAI", "15067-26-2", "Acenaphthene-
d10", "40.0", "◆g/ml", "-99", "NA", "ISTD", "100", "-99", "NA", "YES", "40.0", "990", "1", "-99",
"1716100-BS1", "SW846 8270D", "RES", "1716100-BS1", "ESAI", "1517-22-2", "Phenanthrene-
d10", "40.0", "◆g/ml", "-99", "NA", "ISTD", "98", "-99", "NA", "YES", "40.0", "990", "1", "-99",
"1716100-BS1", "SW846 8270D", "RES", "1716100-BS1", "ESAI", "1520-96-3", "Perylene-
d12", "40.0", "◆g/ml", "-99", "NA", "ISTD", "98", "-99", "NA", "YES", "40.0", "990", "1", "-99",
"1716100-BS1", "SW846 8270D", "RES", "1716100-BS1", "ESAI", "1718-51-0", "Terphenyl-
dl4", "34.3", "◆g/l", "-99", "NA", "SUR", "68", "-99", "NA", "YES", "50.5", "990", "1", "-99",
"1716100-BS1", "SW846 8270D", "RES", "1716100-BS1", "ESAI", "1719-03-5", "Chrysene-
d12", "40.0", "◆g/ml", "-99", "NA", "ISTD", "104", "-99", "NA", "YES", "40.0", "990", "1", "-99",
"1716100-BS1", "SW846 8270D", "RES", "1716100-BS1", "ESAI", "191-24-2", "Benzo (g,h,i)
perylene", "29.9", "◆g/l", "0.535", "MDL", "TARGET", "59", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1716100-BS1", "SW846 8270D", "RES", "1716100-BS1", "ESAI", "193-39-5", "Indeno (1,2,3-cd)
pyrene", "32.1", "◆g/l", "0.586", "MDL", "TARGET", "64", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1716100-BS1", "SW846 8270D", "RES", "1716100-BS1", "ESAI", "205-99-2", "Benzo (b)
fluoranthene", "30.5", "◆g/l", "0.441", "MDL", "TARGET", "60", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1716100-BS1", "SW846 8270D", "RES", "1716100-BS1", "ESAI", "206-44-0", "Fluoranthene", "29.7", "◆g/l", "0.644", "MDL", "TARGET", "59", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01"
/ "1716100-BS1", "SW846 8270D", "RES", "1716100-BS1", "ESAI", "207-08-9", "Benzo (k)
fluoranthene", "32.6", "◆g/l", "0.485", "MDL", "TARGET", "65", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1716100-BS1", "SW846 8270D", "RES", "1716100-BS1", "ESAI", "208-96-8", "Acenaphthylene", "26.7", "◆g/l", "0.690", "MDL", "TARGET", "53", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1716100-BS1", "SW846 8270D", "RES", "1716100-BS1", "ESAI", "218-01-9", "Chrysene", "29.2", "◆g/l", "QC2", "0.537", "MDL", "TARGET", "58", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
/ "1716100-BS1", "SW846 8270D", "RES", "1716100-BS1", "ESAI", "321-60-8", "2-
Fluorobiphenyl", "28.6", "◆g/l", "-99", "NA", "SUR", "57", "-99", "NA", "YES", "50.5", "990", "1", "-99",
"1716100-BS1", "SW846 8270D", "RES", "1716100-BS1", "ESAI", "4165-60-0", "Nitrobenzene-
d5", "26.1", "◆g/l", "-99", "NA", "SUR", "52", "-99", "NA", "YES", "50.5", "990", "1", "-99",
"1716100-BS1", "SW846 8270D", "RES", "1716100-BS1", "ESAI", "50-32-8", "Benzo (a)
pyrene", "29.9", "◆g/l", "0.568", "MDL", "TARGET", "59", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1716100-BS1", "SW846 8270D", "RES", "1716100-BS1", "ESAI", "53-70-3", "Dibenzo (a,h)
anthracene", "33.2", "◆g/l", "0.455", "MDL", "TARGET", "66", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1716100-BS1", "SW846 8270D", "RES", "1716100-BS1", "ESAI", "56-55-3", "Benzo (a)
anthracene", "29.6", "◆g/l", "0.541", "MDL", "TARGET", "59", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1716100-BS1", "SW846 8270D", "RES", "1716100-BS1", "ESAI", "83-32-9", "Acenaphthene", "25.8", "◆g/l", "0.698", "MDL", "TARGET", "51", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01"
/ "1716100-BS1", "SW846 8270D", "RES", "1716100-BS1", "ESAI", "85-01-8", "Phenanthrene", "27.4", "◆g/l", "QC2", "0.592", "MDL", "TARGET", "54", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1716100-BS1", "SW846 8270D", "RES", "1716100-BS1", "ESAI", "86-73-

7", "Fluorene", "25.2", "◆g/l", "QC2", "0.618", "MDL", "TARGET", "50", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1716100-BS1", "SW846 8270D", "RES", "1716100-BS1", "ESAI", "90-12-0", "1-
Methylnaphthalene", "28.0", "◆g/l", "0.740", "MDL", "TARGET", "55", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1716100-BS1", "SW846 8270D", "RES", "1716100-BS1", "ESAI", "91-20-
3", "Naphthalene", "25.0", "◆g/l", "0.692", "MDL", "TARGET", "49", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1716100-BS1", "SW846 8270D", "RES", "1716100-BS1", "ESAI", "91-57-6", "2-
Methylnaphthalene", "30.6", "◆g/l", "0.580", "MDL", "TARGET", "61", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1716100-BSD1", "SW846 8270D", "RES", "1716100-BSD1", "ESAI", "1146-65-2", "Naphthalene-
d8", "40.0", "◆g/ml", "-99", "NA", "ISTD", "100", "-99", "NA", "YES", "40.0", "990", "1", "-99",
"1716100-BSD1", "SW846 8270D", "RES", "1716100-BSD1", "ESAI", "120-12-
7", "Anthracene", "26.5", "◆g/l", "QM9", "0.614", "MDL", "TARGET", "52", "8", "5.05", "RDL", "YES", "50.5", "990", "1",
"1.01",
"1716100-BSD1", "SW846 8270D", "RES", "1716100-BSD1", "ESAI", "129-00-
0", "Pyrene", "23.7", "◆g/l", "QM9", "0.616", "MDL", "TARGET", "47", "20", "5.05", "RDL", "YES", "50.5", "990", "1", "1.
.01",
"1716100-BSD1", "SW846 8270D", "RES", "1716100-BSD1", "ESAI", "15067-26-2", "Acenaphthene-
d10", "40.0", "◆g/ml", "-99", "NA", "ISTD", "105", "-99", "NA", "YES", "40.0", "990", "1", "-99",
"1716100-BSD1", "SW846 8270D", "RES", "1716100-BSD1", "ESAI", "1517-22-2", "Phenanthrene-
d10", "40.0", "◆g/ml", "-99", "NA", "ISTD", "103", "-99", "NA", "YES", "40.0", "990", "1", "-99",
"1716100-BSD1", "SW846 8270D", "RES", "1716100-BSD1", "ESAI", "1520-96-3", "Perylene-
d12", "40.0", "◆g/ml", "-99", "NA", "ISTD", "114", "-99", "NA", "YES", "40.0", "990", "1", "-99",
"1716100-BSD1", "SW846 8270D", "RES", "1716100-BSD1", "ESAI", "1718-51-0", "Terphenyl-
d14", "29.8", "◆g/l", "-99", "NA", "SUR", "59", "-99", "NA", "YES", "50.5", "990", "1", "-99",
"1716100-BSD1", "SW846 8270D", "RES", "1716100-BSD1", "ESAI", "1719-03-5", "Chrysene-
d12", "40.0", "◆g/ml", "-99", "NA", "ISTD", "113", "-99", "NA", "YES", "40.0", "990", "1", "-99",
"1716100-BSD1", "SW846 8270D", "RES", "1716100-BSD1", "ESAI", "191-24-2", "Benzo (g,h,i)
perylene", "24.7", "◆g/l", "QM9", "0.535", "MDL", "TARGET", "49", "19", "5.05", "RDL", "YES", "50.5", "990", "1", "1.0
1",
"1716100-BSD1", "SW846 8270D", "RES", "1716100-BSD1", "ESAI", "193-39-5", "Indeno (1,2,3-cd)
pyrene", "26.9", "◆g/l", "0.586", "MDL", "TARGET", "53", "18", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1716100-BSD1", "SW846 8270D", "RES", "1716100-BSD1", "ESAI", "205-99-2", "Benzo (b)
fluoranthene", "26.1", "◆g/l", "QM9", "0.441", "MDL", "TARGET", "52", "16", "5.05", "RDL", "YES", "50.5", "990", "1",
"1.01",
"1716100-BSD1", "SW846 8270D", "RES", "1716100-BSD1", "ESAI", "206-44-
0", "Fluoranthene", "25.0", "◆g/l", "QM9", "0.644", "MDL", "TARGET", "50", "17", "5.05", "RDL", "YES", "50.5", "990",
"1", "1.01",
"1716100-BSD1", "SW846 8270D", "RES", "1716100-BSD1", "ESAI", "207-08-9", "Benzo (k)
fluoranthene", "29.3", "◆g/l", "0.485", "MDL", "TARGET", "58", "11", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1716100-BSD1", "SW846 8270D", "RES", "1716100-BSD1", "ESAI", "208-96-
8", "Acenaphthylene", "24.3", "◆g/l", "0.690", "MDL", "TARGET", "48", "9", "5.05", "RDL", "YES", "50.5", "990", "1",
"1.01",
"1716100-BSD1", "SW846 8270D", "RES", "1716100-BSD1", "ESAI", "218-01-
9", "Chrysene", "26.7", "◆g/l", "QC2", "0.537", "MDL", "TARGET", "53", "9", "5.05", "RDL", "YES", "50.5", "990", "1", "1.
01",
"1716100-BSD1", "SW846 8270D", "RES", "1716100-BSD1", "ESAI", "321-60-8", "2-
Fluorobiphenyl", "26.1", "◆g/l", "-99", "NA", "SUR", "52", "-99", "NA", "YES", "50.5", "990", "1", "-99",
"1716100-BSD1", "SW846 8270D", "RES", "1716100-BSD1", "ESAI", "4165-60-0", "Nitrobenzene-
d5", "24.1", "◆g/l", "-99", "NA", "SUR", "48", "-99", "NA", "YES", "50.5", "990", "1", "-99",
"1716100-BSD1", "SW846 8270D", "RES", "1716100-BSD1", "ESAI", "50-32-8", "Benzo (a)
pyrene", "27.6", "◆g/l", "0.568", "MDL", "TARGET", "55", "8", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1716100-BSD1", "SW846 8270D", "RES", "1716100-BSD1", "ESAI", "53-70-3", "Dibenzo (a,h)
anthracene", "27.7", "◆g/l", "0.455", "MDL", "TARGET", "55", "18", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1716100-BSD1", "SW846 8270D", "RES", "1716100-BSD1", "ESAI", "56-55-3", "Benzo (a)

anthracene", "26.9", "g/l", "QM9", "0.541", "MDL", "TARGET", "53", "9", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1716100-BSD1", "SW846 8270D", "RES", "1716100-BSD1", "ESAI", "83-32-9", "Acenaphthene", "24.7", "g/l", "0.698", "MDL", "TARGET", "49", "5", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1716100-BSD1", "SW846 8270D", "RES", "1716100-BSD1", "ESAI", "85-01-8", "Phenanthrene", "25.1", "g/l", "QC2", "0.592", "MDL", "TARGET", "50", "9", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1716100-BSD1", "SW846 8270D", "RES", "1716100-BSD1", "ESAI", "86-73-7", "Fluorene", "25.1", "g/l", "QC2", "0.618", "MDL", "TARGET", "50", "0.04", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1716100-BSD1", "SW846 8270D", "RES", "1716100-BSD1", "ESAI", "90-12-0", "1-Methylnaphthalene", "26.1", "g/l", "0.740", "MDL", "TARGET", "52", "7", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1716100-BSD1", "SW846 8270D", "RES", "1716100-BSD1", "ESAI", "91-20-3", "Naphthalene", "22.5", "g/l", "0.692", "MDL", "TARGET", "45", "10", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1716100-BSD1", "SW846 8270D", "RES", "1716100-BSD1", "ESAI", "91-57-6", "2-Methylnaphthalene", "30.0", "g/l", "0.580", "MDL", "TARGET", "59", "2", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "100-41-4", "Ethylbenzene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "100-42-5", "Styrene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "10061-01-5", "cis-1,3-Dichloropropene", "0.5", "g/l", "U", "0.4", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "10061-02-6", "trans-1,3-Dichloropropene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "106-46-7", "1,4-Dichlorobenzene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "106-93-4", "1,2-Dibromoethane (EDB)", "0.5", "g/l", "U", "0.2", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "107-06-2", "1,2-Dichloroethane", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "108-10-1", "4-Methyl-2-pentanone (MIBK)", "2.0", "g/l", "U", "0.5", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "108-87-2", "Methylcyclohexane", "2.0", "g/l", "U", "0.7", "MDL", "TARGET", "5.0", "RDL", "YES", "-99", "5", "5", "2.0",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "108-88-3", "Toluene", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "108-90-7", "Chlorobenzene", "0.5", "g/l", "U", "0.2", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "110-82-7", "Cyclohexane", "2.0", "g/l", "U", "0.8", "MDL", "TARGET", "5.0", "RDL", "YES", "-99", "5", "5", "2.0",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "120-82-1", "1,2,4-Trichlorobenzene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "124-48-1", "Dibromochloromethane", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "127-18-4", "Tetrachloroethene", "1.0", "g/l", "U", "0.6", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "156-59-2", "cis-1,2-Dichloroethene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "156-60-5", "trans-1,2-Dichloroethene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "1634-04-4", "Methyl tert-butyl ether", "0.5", "g/l", "U", "0.2", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "17060-07-0", "1,2-Dichloroethane-

d4", "54.8", "g/l", "-99", "NA", "SUR", "110", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "179601-23-1", "m,p-
Xylene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "1868-53-
7", "Dibromofluoromethane", "50.8", "g/l", "-99", "NA", "SUR", "102", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "2037-26-5", "Toluene-
d8", "49.6", "g/l", "-99", "NA", "SUR", "99", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "3114-55-4", "Chlorobenzene-
d5", "50.0", "g/l", "-99", "NA", "ISTD", "82", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "3855-82-1", "1,4-Dichlorobenzene-
d4", "50.0", "g/l", "-99", "NA", "ISTD", "74", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "460-00-4", "4-
Bromofluorobenzene", "46.0", "g/l", "-99", "NA", "SUR", "92", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "462-06-
6", "Fluorobenzene", "50.0", "g/l", "-99", "NA", "ISTD", "82", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "541-73-1", "1,3-
Dichlorobenzene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "56-23-5", "Carbon
tetrachloride", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "591-78-6", "2-Hexanone
(MBK)", "2.0", "g/l", "U", "0.5", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "67-64-
1", "Acetone", "2.0", "g/l", "U", "0.8", "MDL", "TARGET", "10.0", "RDL", "YES", "-99", "5", "5", "2.0",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "67-66-
3", "Chloroform", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "71-43-
2", "Benzene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "71-55-6", "1,1,1-
Trichloroethane", "1.0", "g/l", "U", "0.5", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "74-83-
9", "Bromomethane", "2.0", "g/l", "U", "0.9", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "74-87-
3", "Chloromethane", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "74-97-
5", "Bromochloromethane", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "75-00-
3", "Chloroethane", "2.0", "g/l", "U", "0.6", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "75-01-4", "Vinyl
chloride", "1.0", "g/l", "U", "0.5", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "75-09-2", "Methylene
chloride", "2.0", "g/l", "U", "0.7", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "75-15-0", "Carbon
disulfide", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "75-25-
2", "Bromoform", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "75-27-
4", "Bromodichloromethane", "0.5", "g/l", "U", "0.4", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "75-34-3", "1,1-
Dichloroethane", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "75-35-4", "1,1-
Dichloroethene", "1.0", "g/l", "U", "0.7", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "75-69-4", "Trichlorofluoromethane (Freon
11)", "1.0", "g/l", "U", "0.5", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "75-71-8", "Dichlorodifluoromethane
(Freon12)", "2.0", "g/l", "U", "0.6", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"1716238-BLK1", "SW846 8260C", "RES", "1716238-BLK1", "ESAI", "76-13-1", "1,1,2-Trichlorotrifluoroethane
(Freon 113)", "1.0", "g/l", "U", "0.5", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",

"1716238-BLK1","SW846 8260C","RES","1716238-BLK1","ESAI","78-87-5","1,2-Dichloropropane","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"1716238-BLK1","SW846 8260C","RES","1716238-BLK1","ESAI","78-93-3","2-Butanone (MEK)","2.0","g/l","U","1.1","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"1716238-BLK1","SW846 8260C","RES","1716238-BLK1","ESAI","79-00-5","1,1,2-Trichloroethane","0.5","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"1716238-BLK1","SW846 8260C","RES","1716238-BLK1","ESAI","79-01-6","Trichloroethene","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"1716238-BLK1","SW846 8260C","RES","1716238-BLK1","ESAI","79-20-9","Methyl acetate","2.0","g/l","U","0.6","MDL","TARGET","5.0","RDL","YES","-99","5","5","2.0",
"1716238-BLK1","SW846 8260C","RES","1716238-BLK1","ESAI","79-34-5","1,1,2,2-Tetrachloroethane","0.5","g/l","U","0.3","MDL","TARGET","0.5","RDL","YES","-99","5","5","0.5",
"1716238-BLK1","SW846 8260C","RES","1716238-BLK1","ESAI","87-61-6","1,2,3-Trichlorobenzene","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"1716238-BLK1","SW846 8260C","RES","1716238-BLK1","ESAI","95-47-6","o-Xylene","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"1716238-BLK1","SW846 8260C","RES","1716238-BLK1","ESAI","95-50-1","1,2-Dichlorobenzene","0.5","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"1716238-BLK1","SW846 8260C","RES","1716238-BLK1","ESAI","96-12-8","1,2-Dibromo-3-chloropropane","2.0","g/l","U","0.9","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"1716238-BLK1","SW846 8260C","RES","1716238-BLK1","ESAI","98-82-8","Isopropylbenzene","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","100-41-4","Ethylbenzene","19.0","g/l","-99","NA","TARGET","95","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","100-42-5","Styrene","19.2","g/l","-99","NA","TARGET","96","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","10061-01-5","cis-1,3-Dichloropropene","19.6","g/l","-99","NA","TARGET","98","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","10061-02-6","trans-1,3-Dichloropropene","20.1","g/l","-99","NA","TARGET","101","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","106-46-7","1,4-Dichlorobenzene","19.2","g/l","-99","NA","TARGET","96","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","106-93-4","1,2-Dibromoethane (EDB)","21.3","g/l","-99","NA","TARGET","107","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","107-06-2","1,2-Dichloroethane","20.3","g/l","-99","NA","TARGET","102","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","108-10-1","4-Methyl-2-pentanone (MIBK)","20.3","g/l","-99","NA","TARGET","101","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","108-87-2","Methylcyclohexane","19.9","g/l","-99","NA","TARGET","100","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","108-88-3","Toluene","19.5","g/l","-99","NA","TARGET","98","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","108-90-7","Chlorobenzene","20.6","g/l","-99","NA","TARGET","103","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","110-82-7","Cyclohexane","18.3","g/l","-99","NA","TARGET","92","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","120-82-1","1,2,4-Trichlorobenzene","18.9","g/l","-99","NA","TARGET","94","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","124-48-1","Dibromochloromethane","20.3","g/l","-99","NA","TARGET","102","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","127-18-4","Tetrachloroethene","20.0","g/l","-99","NA","TARGET","100","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","156-59-2","cis-1,2-Dichloroethene","18.1","g/l","-99","NA","TARGET","91","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","156-60-5","trans-1,2-Dichloroethene","17.9","g/l","-99","NA","TARGET","89","-99","NA","YES","20.0","5","5","-99",

"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","1634-04-4","Methyl tert-butyl ether","20.4","g/l","-99","NA","TARGET","102","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","17060-07-0","1,2-Dichloroethane-d4","49.3","g/l","-99","NA","SUR","99","-99","NA","YES","50.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","179601-23-1","m,p-Xylene","19.2","g/l","-99","NA","TARGET","96","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","1868-53-7","Dibromofluoromethane","47.5","g/l","-99","NA","SUR","95","-99","NA","YES","50.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","2037-26-5","Toluene-d8","48.8","g/l","-99","NA","SUR","98","-99","NA","YES","50.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","3114-55-4","Chlorobenzene-d5","50.0","g/l","-99","NA","ISTD","100","-99","NA","YES","50.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","3855-82-1","1,4-Dichlorobenzene-d4","50.0","g/l","-99","NA","ISTD","99","-99","NA","YES","50.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","460-00-4","4-Bromofluorobenzene","51.2","g/l","-99","NA","SUR","102","-99","NA","YES","50.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","462-06-6","Fluorobenzene","50.0","g/l","-99","NA","ISTD","105","-99","NA","YES","50.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","541-73-1","1,3-Dichlorobenzene","19.9","g/l","-99","NA","TARGET","99","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","56-23-5","Carbon tetrachloride","20.9","g/l","-99","NA","TARGET","105","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","591-78-6","2-Hexanone (MBK)","21.0","g/l","-99","NA","TARGET","105","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","67-64-1","Acetone","19.1","g/l","-99","NA","TARGET","96","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","67-66-3","Chloroform","18.4","g/l","-99","NA","TARGET","92","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","71-43-2","Benzene","20.2","g/l","-99","NA","TARGET","101","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","71-55-6","1,1,1-Trichloroethane","20.3","g/l","-99","NA","TARGET","102","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","74-83-9","Bromomethane","19.2","g/l","-99","NA","TARGET","96","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","74-87-3","Chloromethane","18.0","g/l","-99","NA","TARGET","90","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","74-97-5","Bromochloromethane","18.3","g/l","-99","NA","TARGET","91","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","75-00-3","Chloroethane","18.7","g/l","-99","NA","TARGET","93","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","75-01-4","Vinyl chloride","19.2","g/l","-99","NA","TARGET","96","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","75-09-2","Methylene chloride","18.1","g/l","-99","NA","TARGET","90","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","75-15-0","Carbon disulfide","18.1","g/l","-99","NA","TARGET","91","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","75-25-2","Bromoform","21.9","g/l","-99","NA","TARGET","109","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","75-27-4","Bromodichloromethane","23.1","g/l","-99","NA","TARGET","115","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","75-34-3","1,1-Dichloroethane","18.3","g/l","-99","NA","TARGET","92","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","75-35-4","1,1-Dichloroethene","18.0","g/l","-99","NA","TARGET","90","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","75-69-4","Trichlorofluoromethane (Freon 11)","19.4","g/l","-99","NA","TARGET","97","-99","NA","YES","20.0","5","5","-99",

"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","75-71-8","Dichlorodifluoromethane (Freon12)","19.3","g/l","-99","NA","TARGET","97","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","76-13-1","1,1,2-Trichlorotrifluoroethane (Freon 113)","18.2","g/l","-99","NA","TARGET","91","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","78-87-5","1,2-Dichloropropane","22.1","g/l","-99","NA","TARGET","110","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","78-93-3","2-Butanone (MEK)","21.5","g/l","-99","NA","TARGET","107","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","79-00-5","1,1,2-Trichloroethane","20.6","g/l","-99","NA","TARGET","103","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","79-01-6","Trichloroethene","21.9","g/l","-99","NA","TARGET","109","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","79-20-9","Methyl acetate","16.8","g/l","-99","NA","TARGET","84","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","79-34-5","1,1,2,2-Tetrachloroethane","21.6","g/l","-99","NA","TARGET","108","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","87-61-6","1,2,3-Trichlorobenzene","19.9","g/l","-99","NA","TARGET","100","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","95-47-6","o-Xylene","20.1","g/l","-99","NA","TARGET","100","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","95-50-1","1,2-Dichlorobenzene","20.8","g/l","-99","NA","TARGET","104","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","96-12-8","1,2-Dibromo-3-chloropropane","20.8","g/l","-99","NA","TARGET","104","-99","NA","YES","20.0","5","5","-99",
"1716238-BS1","SW846 8260C","RES","1716238-BS1","ESAI","98-82-8","Isopropylbenzene","20.1","g/l","-99","NA","TARGET","101","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","100-41-4","Ethylbenzene","19.6","g/l","-99","NA","TARGET","98","3","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","100-42-5","Styrene","20.2","g/l","-99","NA","TARGET","101","5","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","10061-01-5","cis-1,3-Dichloropropene","20.7","g/l","-99","NA","TARGET","103","5","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","10061-02-6","trans-1,3-Dichloropropene","20.8","g/l","-99","NA","TARGET","104","3","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","106-46-7","1,4-Dichlorobenzene","19.9","g/l","-99","NA","TARGET","99","3","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","106-93-4","1,2-Dibromoethane (EDB)","21.8","g/l","-99","NA","TARGET","109","3","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","107-06-2","1,2-Dichloroethane","20.5","g/l","-99","NA","TARGET","102","0.7","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","108-10-1","4-Methyl-2-pentanone (MIBK)","21.0","g/l","-99","NA","TARGET","105","3","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","108-87-2","Methylcyclohexane","18.9","g/l","-99","NA","TARGET","95","5","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","108-88-3","Toluene","20.1","g/l","-99","NA","TARGET","100","3","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","108-90-7","Chlorobenzene","20.1","g/l","-99","NA","TARGET","100","3","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","110-82-7","Cyclohexane","19.1","g/l","-99","NA","TARGET","95","4","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","120-82-1","1,2,4-Trichlorobenzene","20.6","g/l","-99","NA","TARGET","103","9","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","124-48-1","Dibromochloromethane","20.8","g/l","-99","NA","TARGET","104","2","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","127-18-4","Tetrachloroethene","21.0","g/l","-99","NA","TARGET","105","5","-99","NA","YES","20.0","5","5","-99",

"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","156-59-2","cis-1,2-Dichloroethene","18.2","g/l","-99","NA","TARGET","91","0.3","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","156-60-5","trans-1,2-Dichloroethene","18.7","g/l","-99","NA","TARGET","93","4","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","1634-04-4","Methyl tert-butyl ether","21.2","g/l","-99","NA","TARGET","106","4","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","17060-07-0","1,2-Dichloroethane-d4","50.0","g/l","-99","NA","SUR","100","-99","NA","YES","50.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","179601-23-1","m,p-Xylene","20.0","g/l","-99","NA","TARGET","100","4","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","1868-53-7","Dibromofluoromethane","47.8","g/l","-99","NA","SUR","96","-99","NA","YES","50.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","2037-26-5","Toluene-d8","50.2","g/l","-99","NA","SUR","100","-99","NA","YES","50.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","3114-55-4","Chlorobenzene-d5","50.0","g/l","-99","NA","ISTD","102","-99","NA","YES","50.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","3855-82-1","1,4-Dichlorobenzene-d4","50.0","g/l","-99","NA","ISTD","99","-99","NA","YES","50.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","460-00-4","4-Bromofluorobenzene","52.0","g/l","-99","NA","SUR","104","-99","NA","YES","50.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","462-06-6","Fluorobenzene","50.0","g/l","-99","NA","ISTD","105","-99","NA","YES","50.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","541-73-1","1,3-Dichlorobenzene","20.5","g/l","-99","NA","TARGET","103","3","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","56-23-5","Carbon tetrachloride","21.5","g/l","-99","NA","TARGET","108","3","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","591-78-6","2-Hexanone (MBK)","21.4","g/l","-99","NA","TARGET","107","2","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","67-64-1","Acetone","19.4","g/l","-99","NA","TARGET","97","2","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","67-66-3","Chloroform","19.0","g/l","-99","NA","TARGET","95","3","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","71-43-2","Benzene","20.4","g/l","-99","NA","TARGET","102","1","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","71-55-6","1,1,1-Trichloroethane","20.7","g/l","-99","NA","TARGET","104","2","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","74-83-9","Bromomethane","19.8","g/l","-99","NA","TARGET","99","3","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","74-87-3","Chloromethane","20.8","g/l","-99","NA","TARGET","104","14","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","74-97-5","Bromochloromethane","19.0","g/l","-99","NA","TARGET","95","4","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","75-00-3","Chloroethane","19.7","g/l","-99","NA","TARGET","98","5","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","75-01-4","Vinyl chloride","20.8","g/l","-99","NA","TARGET","104","8","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","75-09-2","Methylene chloride","18.6","g/l","-99","NA","TARGET","93","3","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","75-15-0","Carbon disulfide","19.1","g/l","-99","NA","TARGET","95","5","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","75-25-2","Bromoform","21.2","g/l","-99","NA","TARGET","106","3","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","75-27-4","Bromodichloromethane","21.6","g/l","-99","NA","TARGET","108","7","-99","NA","YES","20.0","5","5","-99",
"1716238-BSD1","SW846 8260C","RES","1716238-BSD1","ESAI","75-34-3","1,1-

Dichloroethane", "18.9", "g/l", "-99", "NA", "TARGET", "94", "3", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716238-BSD1", "SW846 8260C", "RES", "1716238-BSD1", "ESAI", "75-35-4", "1,1-
Dichloroethene", "19.0", "g/l", "-99", "NA", "TARGET", "95", "5", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716238-BSD1", "SW846 8260C", "RES", "1716238-BSD1", "ESAI", "75-69-4", "Trichlorofluoromethane (Freon
11)", "19.6", "g/l", "-99", "NA", "TARGET", "98", "0.8", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716238-BSD1", "SW846 8260C", "RES", "1716238-BSD1", "ESAI", "75-71-8", "Dichlorodifluoromethane
(Freon12)", "20.0", "g/l", "-99", "NA", "TARGET", "100", "4", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716238-BSD1", "SW846 8260C", "RES", "1716238-BSD1", "ESAI", "76-13-1", "1,1,2-Trichlorotrifluoroethane
(Freon 113)", "18.7", "g/l", "-99", "NA", "TARGET", "94", "3", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716238-BSD1", "SW846 8260C", "RES", "1716238-BSD1", "ESAI", "78-87-5", "1,2-
Dichloropropane", "20.2", "g/l", "-99", "NA", "TARGET", "101", "9", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716238-BSD1", "SW846 8260C", "RES", "1716238-BSD1", "ESAI", "78-93-3", "2-Butanone
(MEK)", "22.8", "g/l", "-99", "NA", "TARGET", "114", "6", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716238-BSD1", "SW846 8260C", "RES", "1716238-BSD1", "ESAI", "79-00-5", "1,1,2-
Trichloroethane", "21.0", "g/l", "-99", "NA", "TARGET", "105", "2", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716238-BSD1", "SW846 8260C", "RES", "1716238-BSD1", "ESAI", "79-01-
6", "Trichloroethene", "20.5", "g/l", "-99", "NA", "TARGET", "102", "7", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716238-BSD1", "SW846 8260C", "RES", "1716238-BSD1", "ESAI", "79-20-9", "Methyl
acetate", "17.0", "g/l", "-99", "NA", "TARGET", "85", "1", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716238-BSD1", "SW846 8260C", "RES", "1716238-BSD1", "ESAI", "79-34-5", "1,1,2,2-
Tetrachloroethane", "21.4", "g/l", "-99", "NA", "TARGET", "107", "1", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716238-BSD1", "SW846 8260C", "RES", "1716238-BSD1", "ESAI", "87-61-6", "1,2,3-
Trichlorobenzene", "21.0", "g/l", "-99", "NA", "TARGET", "105", "5", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716238-BSD1", "SW846 8260C", "RES", "1716238-BSD1", "ESAI", "95-47-6", "o-
Xylene", "20.0", "g/l", "-99", "NA", "TARGET", "100", "0.3", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716238-BSD1", "SW846 8260C", "RES", "1716238-BSD1", "ESAI", "95-50-1", "1,2-
Dichlorobenzene", "21.4", "g/l", "-99", "NA", "TARGET", "107", "3", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716238-BSD1", "SW846 8260C", "RES", "1716238-BSD1", "ESAI", "96-12-8", "1,2-Dibromo-3-
chloropropane", "20.9", "g/l", "-99", "NA", "TARGET", "105", "0.7", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716238-BSD1", "SW846 8260C", "RES", "1716238-BSD1", "ESAI", "98-82-
8", "Isopropylbenzene", "20.9", "g/l", "-99", "NA", "TARGET", "105", "4", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716292-BLK1", "SM5310B (00, 11)", "RES", "1716292-BLK1", "ESAI", "NA", "Total Organic
Carbon", "0.330", "mg/l", "J", "0.238", "MDL", "TARGET", "1.00", "RDL", "YES", "-99", "40", "40", "0.500",
"1716292-BS1", "SM5310B (00, 11)", "RES", "1716292-BS1", "ESAI", "NA", "Total Organic
Carbon", "13.8", "mg/l", "0.238", "MDL", "TARGET", "92", "1.00", "RDL", "YES", "15.0", "40", "40", "0.500",
"1716292-CCB1", "SM5310B (00, 11)", "RES", "1716292-CCB1", "ESAI", "NA", "Total Organic
Carbon", "0.188", "mg/l", "-99", "NA", "TARGET", "-99", "NA", "YES", "-99", "40", "40", "-99",
"1716292-CCB2", "SM5310B (00, 11)", "RES", "1716292-CCB2", "ESAI", "NA", "Total Organic
Carbon", "0.317", "mg/l", "J", "-99", "NA", "TARGET", "-99", "NA", "YES", "-99", "40", "40", "-99",
"1716292-CCB3", "SM5310B (00, 11)", "RES", "1716292-CCB3", "ESAI", "NA", "Total Organic
Carbon", "0.148", "mg/l", "-99", "NA", "TARGET", "-99", "NA", "YES", "-99", "40", "40", "-99",
"1716292-CCB4", "SM5310B (00, 11)", "RES", "1716292-CCB4", "ESAI", "NA", "Total Organic
Carbon", "0.101", "mg/l", "-99", "NA", "TARGET", "-99", "NA", "YES", "-99", "40", "40", "-99",
"1716292-CCV1", "SM5310B (00, 11)", "RES", "1716292-CCV1", "ESAI", "NA", "Total Organic
Carbon", "14.1", "mg/l", "0.238", "MDL", "TARGET", "94", "1.00", "RDL", "YES", "15.0", "40", "40", "0.500",
"1716292-CCV2", "SM5310B (00, 11)", "RES", "1716292-CCV2", "ESAI", "NA", "Total Organic
Carbon", "14.5", "mg/l", "0.238", "MDL", "TARGET", "97", "1.00", "RDL", "YES", "15.0", "40", "40", "0.500",
"1716292-CCV3", "SM5310B (00, 11)", "RES", "1716292-CCV3", "ESAI", "NA", "Total Organic
Carbon", "14.4", "mg/l", "0.238", "MDL", "TARGET", "96", "1.00", "RDL", "YES", "15.0", "40", "40", "0.500",
"1716292-CCV4", "SM5310B (00, 11)", "RES", "1716292-CCV4", "ESAI", "NA", "Total Organic
Carbon", "14.2", "mg/l", "0.238", "MDL", "TARGET", "94", "1.00", "RDL", "YES", "15.0", "40", "40", "0.500",
"1716292-SRM1", "SM5310B (00, 11)", "RES", "1716292-SRM1", "ESAI", "NA", "Total Organic
Carbon", "14.2", "mg/l", "0.238", "MDL", "TARGET", "97", "1.00", "RDL", "YES", "14.6", "40", "40", "0.500",
"1716317-BLK1", "SW846 6010C", "RES", "1716317-BLK1", "ESAI", "7429-90-
5", "Aluminum", "0.0500", "mg/l", "U", "0.0206", "MDL", "TARGET", "0.0500", "RDL", "YES", "-99", "50", "50", "0.05
00",
"1716317-BLK1", "SW846 6010C", "RES", "1716317-BLK1", "ESAI", "7439-95-

4,"Magnesium","0.0100","mg/l","U","0.0088","MDL","TARGET",,"0.0200","RDL","YES",-99,,50,50,0.0100",
"1716317-BLK1","SW846 6010C","RES","1716317-BLK1","ESAI","7440-23-5","Sodium","0.131","mg/l","J","0.0785","MDL","TARGET",,"0.500","RDL","YES",-99,,50,50,0.250",
"1716317-BLK1","SW846 6010C","RES","1716317-BLK1","ESAI","7440-70-2","Calcium","0.0500","mg/l","U","0.0142","MDL","TARGET",,"0.200","RDL","YES",-99,,50,50,0.0500",
/,"1716317-BS1","SW846 6010C","RES","1716317-BS1","ESAI","7429-90-5","Aluminum","2.63","mg/l",,"0.0206","MDL","TARGET",,"105",,"0.0500","RDL","YES",2.50,,50,50,0.0500",
"1716317-BS1","SW846 6010C","RES","1716317-BS1","ESAI","7439-95-4","Magnesium","2.54","mg/l",,"0.0088","MDL","TARGET",,"101",,"0.0200","RDL","YES",2.50,,50,50,0.0100",
"1716317-BS1","SW846 6010C","RES","1716317-BS1","ESAI","7440-23-5","Sodium","12.0","mg/l",,"0.0785","MDL","TARGET",,"96",,"0.500","RDL","YES",12.5,,50,50,0.250",
"1716317-BS1","SW846 6010C","RES","1716317-BS1","ESAI","7440-70-2","Calcium","13.2","mg/l",,"0.0142","MDL","TARGET",,"106",,"0.200","RDL","YES",12.5,,50,50,0.0500",
/,"1716317-BSD1","SW846 6010C","RES","1716317-BSD1","ESAI","7429-90-5","Aluminum","2.72","mg/l",,"0.0206","MDL","TARGET",,"109",,"3",,"0.0500","RDL","YES",2.50,,50,50,0.0500",
"1716317-BSD1","SW846 6010C","RES","1716317-BSD1","ESAI","7439-95-4","Magnesium","2.55","mg/l",,"0.0088","MDL","TARGET",,"102",,"0.4",,"0.0200","RDL","YES",2.50,,50,50,0.0100",
"1716317-BSD1","SW846 6010C","RES","1716317-BSD1","ESAI","7440-23-5","Sodium","12.2","mg/l",,"0.0785","MDL","TARGET",,"98",,"1",,"0.500","RDL","YES",12.5,,50,50,0.250",
/,"1716317-BSD1","SW846 6010C","RES","1716317-BSD1","ESAI","7440-70-2","Calcium","13.5","mg/l",,"0.0142","MDL","TARGET",,"108",,"2",,"0.200","RDL","YES",12.5,,50,50,0.0500",
"1716319-BLK1","EPA 245.1/7470A","RES","1716319-BLK1","ESAI","7439-97-6","Mercury","0.00020","mg/l","U","0.00013","MDL","TARGET",,"0.00020","RDL","YES",-99,,20,20,0.00020",
"1716319-BS1","EPA 245.1/7470A","RES","1716319-BS1","ESAI","7439-97-6","Mercury","0.00460","mg/l",,"0.00013","MDL","TARGET",,"92",,"0.00020","RDL","YES",0.00500,,20,20,0.00020",
"1716331-BLK1","SW846 8260C","RES","1716331-BLK1","ESAI","100-41-4","Ethylbenzene","0.5","g/l","U","0.3","MDL","TARGET",,"1.0","RDL","YES",-99,,5,5,0.5",
"1716331-BLK1","SW846 8260C","RES","1716331-BLK1","ESAI","100-42-5","Styrene","1.0","g/l","U","0.4","MDL","TARGET",,"1.0","RDL","YES",-99,,5,5,1.0",
"1716331-BLK1","SW846 8260C","RES","1716331-BLK1","ESAI","10061-01-5","cis-1,3-Dichloropropene","0.5","g/l","U","0.4","MDL","TARGET",,"0.5","RDL","YES",-99,,5,5,0.5",
"1716331-BLK1","SW846 8260C","RES","1716331-BLK1","ESAI","10061-02-6","trans-1,3-Dichloropropene","0.5","g/l","U","0.3","MDL","TARGET",,"0.5","RDL","YES",-99,,5,5,0.5",
"1716331-BLK1","SW846 8260C","RES","1716331-BLK1","ESAI","106-46-7","1,4-Dichlorobenzene","0.5","g/l","U","0.3","MDL","TARGET",,"1.0","RDL","YES",-99,,5,5,0.5",
"1716331-BLK1","SW846 8260C","RES","1716331-BLK1","ESAI","106-93-4","1,2-Dibromoethane (EDB)","0.5","g/l","U","0.2","MDL","TARGET",,"0.5","RDL","YES",-99,,5,5,0.5",
"1716331-BLK1","SW846 8260C","RES","1716331-BLK1","ESAI","107-06-2","1,2-Dichloroethane","1.0","g/l","U","0.3","MDL","TARGET",,"1.0","RDL","YES",-99,,5,5,1.0",
"1716331-BLK1","SW846 8260C","RES","1716331-BLK1","ESAI","108-10-1","4-Methyl-2-pentanone (MIBK)","2.0","g/l","U","0.5","MDL","TARGET",,"2.0","RDL","YES",-99,,5,5,2.0",
"1716331-BLK1","SW846 8260C","RES","1716331-BLK1","ESAI","108-87-2","Methylcyclohexane","2.0","g/l","U","0.7","MDL","TARGET",,"5.0","RDL","YES",-99,,5,5,2.0",
"1716331-BLK1","SW846 8260C","RES","1716331-BLK1","ESAI","108-88-3","Toluene","1.0","g/l","U","0.3","MDL","TARGET",,"1.0","RDL","YES",-99,,5,5,1.0",
"1716331-BLK1","SW846 8260C","RES","1716331-BLK1","ESAI","108-90-

7", "Chlorobenzene", "0.5", "g/l", "U", "0.2", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"1716331-BLK1", "SW846 8260C", "RES", "1716331-BLK1", "ESAI", "110-82-
7", "Cyclohexane", "2.0", "g/l", "U", "0.8", "MDL", "TARGET", "5.0", "RDL", "YES", "-99", "5", "5", "2.0",
"1716331-BLK1", "SW846 8260C", "RES", "1716331-BLK1", "ESAI", "120-82-1", "1,2,4-
Trichlorobenzene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1716331-BLK1", "SW846 8260C", "RES", "1716331-BLK1", "ESAI", "124-48-
1", "Dibromochloromethane", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"1716331-BLK1", "SW846 8260C", "RES", "1716331-BLK1", "ESAI", "127-18-
4", "Tetrachloroethene", "1.0", "g/l", "U", "0.6", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1716331-BLK1", "SW846 8260C", "RES", "1716331-BLK1", "ESAI", "156-59-2", "cis-1,2-
Dichloroethene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"1716331-BLK1", "SW846 8260C", "RES", "1716331-BLK1", "ESAI", "156-60-5", "trans-1,2-
Dichloroethene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1716331-BLK1", "SW846 8260C", "RES", "1716331-BLK1", "ESAI", "1634-04-4", "Methyl tert-butyl
ether", "0.5", "g/l", "U", "0.2", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"1716331-BLK1", "SW846 8260C", "RES", "1716331-BLK1", "ESAI", "17060-07-0", "1,2-Dichloroethane-
d4", "51.5", "g/l", "-99", "NA", "SUR", "103", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"1716331-BLK1", "SW846 8260C", "RES", "1716331-BLK1", "ESAI", "179601-23-1", "m,p-
Xylene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1716331-BLK1", "SW846 8260C", "RES", "1716331-BLK1", "ESAI", "1868-53-
7", "Dibromofluoromethane", "48.7", "g/l", "-99", "NA", "SUR", "97", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"1716331-BLK1", "SW846 8260C", "RES", "1716331-BLK1", "ESAI", "2037-26-5", "Toluene-
d8", "48.3", "g/l", "-99", "NA", "SUR", "97", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"1716331-BLK1", "SW846 8260C", "RES", "1716331-BLK1", "ESAI", "3114-55-4", "Chlorobenzene-
d5", "50.0", "g/l", "-99", "NA", "ISTD", "86", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"1716331-BLK1", "SW846 8260C", "RES", "1716331-BLK1", "ESAI", "3855-82-1", "1,4-Dichlorobenzene-
d4", "50.0", "g/l", "-99", "NA", "ISTD", "76", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"1716331-BLK1", "SW846 8260C", "RES", "1716331-BLK1", "ESAI", "460-00-4", "4-
Bromofluorobenzene", "46.0", "g/l", "-99", "NA", "SUR", "92", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"1716331-BLK1", "SW846 8260C", "RES", "1716331-BLK1", "ESAI", "462-06-
6", "Fluorobenzene", "50.0", "g/l", "-99", "NA", "ISTD", "87", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"1716331-BLK1", "SW846 8260C", "RES", "1716331-BLK1", "ESAI", "541-73-1", "1,3-
Dichlorobenzene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"1716331-BLK1", "SW846 8260C", "RES", "1716331-BLK1", "ESAI", "56-23-5", "Carbon
tetrachloride", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1716331-BLK1", "SW846 8260C", "RES", "1716331-BLK1", "ESAI", "591-78-6", "2-Hexanone
(MBK)", "2.0", "g/l", "U", "0.5", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"1716331-BLK1", "SW846 8260C", "RES", "1716331-BLK1", "ESAI", "67-64-
1", "Acetone", "2.0", "g/l", "U", "0.8", "MDL", "TARGET", "10.0", "RDL", "YES", "-99", "5", "5", "2.0",
"1716331-BLK1", "SW846 8260C", "RES", "1716331-BLK1", "ESAI", "67-66-
3", "Chloroform", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1716331-BLK1", "SW846 8260C", "RES", "1716331-BLK1", "ESAI", "71-43-
2", "Benzene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"1716331-BLK1", "SW846 8260C", "RES", "1716331-BLK1", "ESAI", "71-55-6", "1,1,1-
Trichloroethane", "1.0", "g/l", "U", "0.5", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1716331-BLK1", "SW846 8260C", "RES", "1716331-BLK1", "ESAI", "74-83-
9", "Bromomethane", "2.0", "g/l", "U", "0.9", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"1716331-BLK1", "SW846 8260C", "RES", "1716331-BLK1", "ESAI", "74-87-
3", "Chloromethane", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1716331-BLK1", "SW846 8260C", "RES", "1716331-BLK1", "ESAI", "74-97-
5", "Bromochloromethane", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1716331-BLK1", "SW846 8260C", "RES", "1716331-BLK1", "ESAI", "75-00-
3", "Chloroethane", "2.0", "g/l", "U", "0.6", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"1716331-BLK1", "SW846 8260C", "RES", "1716331-BLK1", "ESAI", "75-01-4", "Vinyl
chloride", "1.0", "g/l", "U", "0.5", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1716331-BLK1", "SW846 8260C", "RES", "1716331-BLK1", "ESAI", "75-09-2", "Methylene
chloride", "2.0", "g/l", "U", "0.7", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",

"1716331-BLK1","SW846 8260C","RES","1716331-BLK1","ESAI","75-15-0","Carbon disulfide","1.0","g/l","U","0.4","MDL","TARGET","2.0","RDL","YES","-99","5","5","1.0",
"1716331-BLK1","SW846 8260C","RES","1716331-BLK1","ESAI","75-25-2","Bromoform","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"1716331-BLK1","SW846 8260C","RES","1716331-BLK1","ESAI","75-27-4","Bromodichloromethane","0.5","g/l","U","0.4","MDL","TARGET","0.5","RDL","YES","-99","5","5","0.5",
"1716331-BLK1","SW846 8260C","RES","1716331-BLK1","ESAI","75-34-3","1,1-Dichloroethane","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"1716331-BLK1","SW846 8260C","RES","1716331-BLK1","ESAI","75-35-4","1,1-Dichloroethene","1.0","g/l","U","0.7","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"1716331-BLK1","SW846 8260C","RES","1716331-BLK1","ESAI","75-69-4","Trichlorofluoromethane (Freon 11)","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"1716331-BLK1","SW846 8260C","RES","1716331-BLK1","ESAI","75-71-8","Dichlorodifluoromethane (Freon12)","2.0","g/l","U","0.6","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"1716331-BLK1","SW846 8260C","RES","1716331-BLK1","ESAI","76-13-1","1,1,2-Trichlorotrifluoroethane (Freon 113)","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"1716331-BLK1","SW846 8260C","RES","1716331-BLK1","ESAI","78-87-5","1,2-Dichloropropane","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"1716331-BLK1","SW846 8260C","RES","1716331-BLK1","ESAI","78-93-3","2-Butanone (MEK)","2.0","g/l","U","1.1","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"1716331-BLK1","SW846 8260C","RES","1716331-BLK1","ESAI","79-00-5","1,1,2-Trichloroethane","0.5","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"1716331-BLK1","SW846 8260C","RES","1716331-BLK1","ESAI","79-01-6","Trichloroethene","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"1716331-BLK1","SW846 8260C","RES","1716331-BLK1","ESAI","79-20-9","Methyl acetate","2.0","g/l","U","0.6","MDL","TARGET","5.0","RDL","YES","-99","5","5","2.0",
"1716331-BLK1","SW846 8260C","RES","1716331-BLK1","ESAI","79-34-5","1,1,2,2-Tetrachloroethane","0.5","g/l","U","0.3","MDL","TARGET","0.5","RDL","YES","-99","5","5","0.5",
"1716331-BLK1","SW846 8260C","RES","1716331-BLK1","ESAI","87-61-6","1,2,3-Trichlorobenzene","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"1716331-BLK1","SW846 8260C","RES","1716331-BLK1","ESAI","95-47-6","o-Xylene","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"1716331-BLK1","SW846 8260C","RES","1716331-BLK1","ESAI","95-50-1","1,2-Dichlorobenzene","0.5","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"1716331-BLK1","SW846 8260C","RES","1716331-BLK1","ESAI","96-12-8","1,2-Dibromo-3-chloropropane","2.0","g/l","U","0.9","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"1716331-BLK1","SW846 8260C","RES","1716331-BLK1","ESAI","98-82-8","Isopropylbenzene","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"1716331-BS1","SW846 8260C","RES","1716331-BS1","ESAI","100-41-4","Ethylbenzene","20.8","g/l","-99","NA","TARGET","104","-99","NA","YES","20.0","5","5","-99",
"1716331-BS1","SW846 8260C","RES","1716331-BS1","ESAI","100-42-5","Styrene","20.8","g/l","-99","NA","TARGET","104","-99","NA","YES","20.0","5","5","-99",
"1716331-BS1","SW846 8260C","RES","1716331-BS1","ESAI","10061-01-5","cis-1,3-Dichloropropene","21.4","g/l","-99","NA","TARGET","107","-99","NA","YES","20.0","5","5","-99",
"1716331-BS1","SW846 8260C","RES","1716331-BS1","ESAI","10061-02-6","trans-1,3-Dichloropropene","21.5","g/l","-99","NA","TARGET","108","-99","NA","YES","20.0","5","5","-99",
"1716331-BS1","SW846 8260C","RES","1716331-BS1","ESAI","106-46-7","1,4-Dichlorobenzene","20.7","g/l","-99","NA","TARGET","104","-99","NA","YES","20.0","5","5","-99",
"1716331-BS1","SW846 8260C","RES","1716331-BS1","ESAI","106-93-4","1,2-Dibromoethane (EDB)","22.1","g/l","-99","NA","TARGET","110","-99","NA","YES","20.0","5","5","-99",
"1716331-BS1","SW846 8260C","RES","1716331-BS1","ESAI","107-06-2","1,2-Dichloroethane","21.2","g/l","-99","NA","TARGET","106","-99","NA","YES","20.0","5","5","-99",
"1716331-BS1","SW846 8260C","RES","1716331-BS1","ESAI","108-10-1","4-Methyl-2-pentanone (MIBK)","20.5","g/l","-99","NA","TARGET","102","-99","NA","YES","20.0","5","5","-99",
"1716331-BS1","SW846 8260C","RES","1716331-BS1","ESAI","108-87-2","Methylcyclohexane","20.9","g/l","-99","NA","TARGET","104","-99","NA","YES","20.0","5","5","-99",
"1716331-BS1","SW846 8260C","RES","1716331-BS1","ESAI","108-88-

3", "Toluene", "20.8", "g/l", "-99", "NA", "TARGET", "104", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "108-90-
7", "Chlorobenzene", "21.6", "g/l", "-99", "NA", "TARGET", "108", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "110-82-
7", "Cyclohexane", "20.5", "g/l", "-99", "NA", "TARGET", "103", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "120-82-1", "1,2,4-
Trichlorobenzene", "21.2", "g/l", "-99", "NA", "TARGET", "106", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "124-48-
1", "Dibromochloromethane", "21.3", "g/l", "-99", "NA", "TARGET", "107", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "127-18-
4", "Tetrachloroethene", "21.8", "g/l", "-99", "NA", "TARGET", "109", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "156-59-2", "cis-1,2-
Dichloroethene", "19.3", "g/l", "-99", "NA", "TARGET", "96", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "156-60-5", "trans-1,2-
Dichloroethene", "19.4", "g/l", "-99", "NA", "TARGET", "97", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "1634-04-4", "Methyl tert-butyl
ether", "21.5", "g/l", "-99", "NA", "TARGET", "108", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "17060-07-0", "1,2-Dichloroethane-
d4", "49.8", "g/l", "-99", "NA", "SUR", "100", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "179601-23-1", "m,p-
Xylene", "21.2", "g/l", "-99", "NA", "TARGET", "106", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "1868-53-
7", "Dibromofluoromethane", "47.3", "g/l", "-99", "NA", "SUR", "95", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "2037-26-5", "Toluene-
d8", "49.3", "g/l", "-99", "NA", "SUR", "99", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "3114-55-4", "Chlorobenzene-
d5", "50.0", "g/l", "-99", "NA", "ISTD", "102", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "3855-82-1", "1,4-Dichlorobenzene-
d4", "50.0", "g/l", "-99", "NA", "ISTD", "98", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "460-00-4", "4-
Bromofluorobenzene", "52.4", "g/l", "-99", "NA", "SUR", "105", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "462-06-
6", "Fluorobenzene", "50.0", "g/l", "-99", "NA", "ISTD", "104", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "541-73-1", "1,3-
Dichlorobenzene", "21.4", "g/l", "-99", "NA", "TARGET", "107", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "56-23-5", "Carbon
tetrachloride", "23.2", "g/l", "-99", "NA", "TARGET", "116", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "591-78-6", "2-Hexanone
(MBK)", "21.0", "g/l", "-99", "NA", "TARGET", "105", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "67-64-
1", "Acetone", "19.5", "g/l", "-99", "NA", "TARGET", "98", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "67-66-
3", "Chloroform", "19.8", "g/l", "-99", "NA", "TARGET", "99", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "71-43-
2", "Benzene", "21.5", "g/l", "-99", "NA", "TARGET", "107", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "71-55-6", "1,1,1-
Trichloroethane", "22.5", "g/l", "-99", "NA", "TARGET", "112", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "74-83-
9", "Bromomethane", "19.8", "g/l", "-99", "NA", "TARGET", "99", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "74-87-
3", "Chloromethane", "20.0", "g/l", "-99", "NA", "TARGET", "100", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "74-97-
5", "Bromochloromethane", "18.9", "g/l", "-99", "NA", "TARGET", "94", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "75-00-
3", "Chloroethane", "20.2", "g/l", "-99", "NA", "TARGET", "101", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "75-01-4", "Vinyl

chloride", "21.4", "g/l", "-99", "NA", "TARGET", "107", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "75-09-2", "Methylene
chloride", "18.7", "g/l", "-99", "NA", "TARGET", "93", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "75-15-0", "Carbon
disulfide", "20.0", "g/l", "-99", "NA", "TARGET", "100", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "75-25-
2", "Bromoform", "21.8", "g/l", "-99", "NA", "TARGET", "109", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "75-27-
4", "Bromodichloromethane", "21.8", "g/l", "-99", "NA", "TARGET", "109", "-99", "NA", "YES", "20.0", "5", "5", "-9
9",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "75-34-3", "1,1-
Dichloroethane", "19.5", "g/l", "-99", "NA", "TARGET", "97", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "75-35-4", "1,1-
Dichloroethene", "20.3", "g/l", "-99", "NA", "TARGET", "102", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "75-69-4", "Trichlorofluoromethane (Freon
11)", "20.9", "g/l", "-99", "NA", "TARGET", "105", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "75-71-8", "Dichlorodifluoromethane
(Freon12)", "20.3", "g/l", "-99", "NA", "TARGET", "101", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "76-13-1", "1,1,2-Trichlorotrifluoroethane
(Freon 113)", "19.5", "g/l", "-99", "NA", "TARGET", "98", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "78-87-5", "1,2-
Dichloropropane", "20.3", "g/l", "-99", "NA", "TARGET", "102", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "78-93-3", "2-Butanone
(MEK)", "21.8", "g/l", "-99", "NA", "TARGET", "109", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "79-00-5", "1,1,2-
Trichloroethane", "21.3", "g/l", "-99", "NA", "TARGET", "107", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "79-01-
6", "Trichloroethene", "21.6", "g/l", "-99", "NA", "TARGET", "108", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "79-20-9", "Methyl
acetate", "17.2", "g/l", "-99", "NA", "TARGET", "86", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "79-34-5", "1,1,2,2-
Tetrachloroethane", "21.8", "g/l", "-99", "NA", "TARGET", "109", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "87-61-6", "1,2,3-
Trichlorobenzene", "21.5", "g/l", "-99", "NA", "TARGET", "108", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "95-47-6", "o-
Xylene", "21.0", "g/l", "-99", "NA", "TARGET", "105", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "95-50-1", "1,2-
Dichlorobenzene", "22.0", "g/l", "-99", "NA", "TARGET", "110", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "96-12-8", "1,2-Dibromo-3-
chloropropane", "21.6", "g/l", "-99", "NA", "TARGET", "108", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BS1", "SW846 8260C", "RES", "1716331-BS1", "ESAI", "98-82-
8", "Isopropylbenzene", "22.4", "g/l", "-99", "NA", "TARGET", "112", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BSD1", "SW846 8260C", "RES", "1716331-BSD1", "ESAI", "100-41-
4", "Ethylbenzene", "19.5", "g/l", "-99", "NA", "TARGET", "98", "6", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BSD1", "SW846 8260C", "RES", "1716331-BSD1", "ESAI", "100-42-
5", "Styrene", "19.8", "g/l", "-99", "NA", "TARGET", "99", "5", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BSD1", "SW846 8260C", "RES", "1716331-BSD1", "ESAI", "10061-01-5", "cis-1,3-
Dichloropropene", "20.6", "g/l", "-99", "NA", "TARGET", "103", "4", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BSD1", "SW846 8260C", "RES", "1716331-BSD1", "ESAI", "10061-02-6", "trans-1,3-
Dichloropropene", "21.0", "g/l", "-99", "NA", "TARGET", "105", "2", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BSD1", "SW846 8260C", "RES", "1716331-BSD1", "ESAI", "106-46-7", "1,4-
Dichlorobenzene", "19.8", "g/l", "-99", "NA", "TARGET", "99", "5", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BSD1", "SW846 8260C", "RES", "1716331-BSD1", "ESAI", "106-93-4", "1,2-Dibromoethane
(EDB)", "22.3", "g/l", "-99", "NA", "TARGET", "111", "0.9", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BSD1", "SW846 8260C", "RES", "1716331-BSD1", "ESAI", "107-06-2", "1,2-
Dichloroethane", "20.6", "g/l", "-99", "NA", "TARGET", "103", "3", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1716331-BSD1", "SW846 8260C", "RES", "1716331-BSD1", "ESAI", "108-10-1", "4-Methyl-2-pentanone

(MIBK),"21.0","g/l","-99","NA","TARGET","105","2","-99","NA","YES","20.0","5","5","-99",
"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","108-87-
2","Methylcyclohexane","18.7","g/l","-99","NA","TARGET","93","11","-99","NA","YES","20.0","5","5","-99",
"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","108-88-
3","Toluene","20.0","g/l","-99","NA","TARGET","100","4","-99","NA","YES","20.0","5","5","-99",
"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","108-90-
7","Chlorobenzene","20.2","g/l","-99","NA","TARGET","101","7","-99","NA","YES","20.0","5","5","-99",
"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","110-82-
7","Cyclohexane","19.5","g/l","-99","NA","TARGET","98","5","-99","NA","YES","20.0","5","5","-99",
"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","120-82-1","1,2,4-
Trichlorobenzene","20.4","g/l","-99","NA","TARGET","102","4","-99","NA","YES","20.0","5","5","-99",
"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","124-48-
1","Dibromochloromethane","20.8","g/l","-99","NA","TARGET","104","2","-99","NA","YES","20.0","5","5",
"-99",
"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","127-18-
4","Tetrachloroethene","20.7","g/l","-99","NA","TARGET","103","5","-99","NA","YES","20.0","5","5","-99",
"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","156-59-2","cis-1,2-
Dichloroethene","18.7","g/l","-99","NA","TARGET","93","3","-99","NA","YES","20.0","5","5","-99",
"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","156-60-5","trans-1,2-
Dichloroethene","18.6","g/l","-99","NA","TARGET","93","4","-99","NA","YES","20.0","5","5","-99",
"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","1634-04-4","Methyl tert-butyl
ether","21.5","g/l","-99","NA","TARGET","108","0.09","-99","NA","YES","20.0","5","5","-99",
"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","17060-07-0","1,2-Dichloroethane-
d4","50.0","g/l","-99","NA","SUR","100","-99","NA","YES","50.0","5","5","-99",
"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","179601-23-1","m,p-
Xylene","19.8","g/l","-99","NA","TARGET","99","7","-99","NA","YES","20.0","5","5","-99",
"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","1868-53-
7","Dibromofluoromethane","47.4","g/l","-99","NA","SUR","95","-99","NA","YES","50.0","5","5","-99",
"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","2037-26-5","Toluene-
d8","50.0","g/l","-99","NA","SUR","100","-99","NA","YES","50.0","5","5","-99",
"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","3114-55-4","Chlorobenzene-
d5","50.0","g/l","-99","NA","ISTD","106","-99","NA","YES","50.0","5","5","-99",
"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","3855-82-1","1,4-Dichlorobenzene-
d4","50.0","g/l","-99","NA","ISTD","99","-99","NA","YES","50.0","5","5","-99",
"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","460-00-4","4-
Bromofluorobenzene","50.8","g/l","-99","NA","SUR","102","-99","NA","YES","50.0","5","5","-99",
"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","462-06-
6","Fluorobenzene","50.0","g/l","-99","NA","ISTD","104","-99","NA","YES","50.0","5","5","-99",
"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","541-73-1","1,3-
Dichlorobenzene","20.0","g/l","-99","NA","TARGET","100","7","-99","NA","YES","20.0","5","5","-99",
"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","56-23-5","Carbon
tetrachloride","21.8","g/l","-99","NA","TARGET","109","6","-99","NA","YES","20.0","5","5","-99",
"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","591-78-6","2-Hexanone
(MBK)","22.0","g/l","-99","NA","TARGET","110","4","-99","NA","YES","20.0","5","5","-99",
"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","67-64-
1","Acetone","20.6","g/l","-99","NA","TARGET","103","5","-99","NA","YES","20.0","5","5","-99",
"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","67-66-
3","Chloroform","19.1","g/l","-99","NA","TARGET","95","4","-99","NA","YES","20.0","5","5","-99",
"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","71-43-
2","Benzene","21.0","g/l","-99","NA","TARGET","105","2","-99","NA","YES","20.0","5","5","-99",
"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","71-55-6","1,1,1-
Trichloroethane","21.0","g/l","-99","NA","TARGET","105","7","-99","NA","YES","20.0","5","5","-99",
"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","74-83-
9","Bromomethane","20.0","g/l","-99","NA","TARGET","100","1","-99","NA","YES","20.0","5","5","-99",
"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","74-87-
3","Chloromethane","19.0","g/l","-99","NA","TARGET","95","5","-99","NA","YES","20.0","5","5","-99",

"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","74-97-5","Bromochloromethane","18.8","g/l","-99","NA","TARGET","94","0.4","-99","NA","YES","20.0","5","5","-99",

"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","75-00-3","Chloroethane","19.0","g/l","-99","NA","TARGET","95","6","-99","NA","YES","20.0","5","5","-99",

"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","75-01-4","Vinyl chloride","19.4","g/l","-99","NA","TARGET","97","10","-99","NA","YES","20.0","5","5","-99",

"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","75-09-2","Methylene chloride","18.4","g/l","-99","NA","TARGET","92","1","-99","NA","YES","20.0","5","5","-99",

"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","75-15-0","Carbon disulfide","19.0","g/l","-99","NA","TARGET","95","5","-99","NA","YES","20.0","5","5","-99",

"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","75-25-2","Bromoform","21.1","g/l","-99","NA","TARGET","106","3","-99","NA","YES","20.0","5","5","-99",

"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","75-27-4","Bromodichloromethane","21.0","g/l","-99","NA","TARGET","105","4","-99","NA","YES","20.0","5","5","-99",

"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","75-34-3","1,1-Dichloroethane","18.9","g/l","-99","NA","TARGET","95","3","-99","NA","YES","20.0","5","5","-99",

"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","75-35-4","1,1-Dichloroethene","18.7","g/l","-99","NA","TARGET","94","8","-99","NA","YES","20.0","5","5","-99",

"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","75-69-4","Trichlorofluoromethane (Freon 11)","19.5","g/l","-99","NA","TARGET","97","7","-99","NA","YES","20.0","5","5","-99",

"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","75-71-8","Dichlorodifluoromethane (Freon12)","18.9","g/l","-99","NA","TARGET","95","7","-99","NA","YES","20.0","5","5","-99",

"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","76-13-1","1,1,2-Trichlorotrifluoroethane (Freon 113)","18.5","g/l","-99","NA","TARGET","92","6","-99","NA","YES","20.0","5","5","-99",

"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","78-87-5","1,2-Dichloropropane","20.2","g/l","-99","NA","TARGET","101","0.7","-99","NA","YES","20.0","5","5","-99",

"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","78-93-3","2-Butanone (MEK)","22.3","g/l","-99","NA","TARGET","111","2","-99","NA","YES","20.0","5","5","-99",

"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","79-00-5","1,1,2-Trichloroethane","20.6","g/l","-99","NA","TARGET","103","4","-99","NA","YES","20.0","5","5","-99",

"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","79-01-6","Trichloroethene","20.3","g/l","-99","NA","TARGET","102","6","-99","NA","YES","20.0","5","5","-99",

"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","79-20-9","Methyl acetate","17.7","g/l","-99","NA","TARGET","89","3","-99","NA","YES","20.0","5","5","-99",

"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","79-34-5","1,1,2,2-Tetrachloroethane","20.8","g/l","-99","NA","TARGET","104","5","-99","NA","YES","20.0","5","5","-99",

"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","87-61-6","1,2,3-Trichlorobenzene","20.6","g/l","-99","NA","TARGET","103","4","-99","NA","YES","20.0","5","5","-99",

"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","95-47-6","o-Xylene","19.1","g/l","-99","NA","TARGET","96","9","-99","NA","YES","20.0","5","5","-99",

"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","95-50-1","1,2-Dichlorobenzene","21.0","g/l","-99","NA","TARGET","105","5","-99","NA","YES","20.0","5","5","-99",

"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","96-12-8","1,2-Dibromo-3-chloropropane","21.3","g/l","-99","NA","TARGET","107","1","-99","NA","YES","20.0","5","5","-99",

"1716331-BSD1","SW846 8260C","RES","1716331-BSD1","ESAI","98-82-8","Isopropylbenzene","20.5","g/l","-99","NA","TARGET","102","9","-99","NA","YES","20.0","5","5","-99",

"1716540-BLK1","SW846 6010C","RES","1716540-BLK1","ESAI","7439-89-6","Iron","0.0300","mg/l","U","0.0089","MDL","TARGET","0.0800","RDL","YES","-99","50","50","0.0300",

"1716540-BLK1","SW846 6010C","RES","1716540-BLK1","ESAI","7440-09-7","Potassium","0.250","mg/l","U","0.120","MDL","TARGET","1.00","RDL","YES","-99","50","50","0.250",

"1716540-BS1","SW846 6010C","RES","1716540-BS1","ESAI","7439-89-6","Iron","2.76","mg/l","0.0089","MDL","TARGET","110","0.0800","RDL","YES","2.50","50","50","0.0300",

"1716540-BS1","SW846 6010C","RES","1716540-BS1","ESAI","7440-09-7","Potassium","24.6","mg/l","0.120","MDL","TARGET","98","1.00","RDL","YES","25.0","50","50","0.250",

"1716540-BSD1","SW846 6010C","RES","1716540-BSD1","ESAI","7439-89-

6", "Iron", "2.72", "mg/l", "0.0089", "MDL", "TARGET", "109", "2", "0.0800", "RDL", "YES", "2.50", "50", "50", "0.0300",
"1716540-BSD1", "SW846 6010C", "RES", "1716540-BSD1", "ESAI", "7440-09-
7", "Potassium", "24.3", "mg/l", "0.120", "MDL", "TARGET", "97", "1", "1.00", "RDL", "YES", "25.0", "50", "50", "0.250",
"TF1-DUP-04-091317", "EPA 200/6000 methods", "RES", "SC39221-
05", "ESAI", "NA", "Preservation", "0", "N/A", "-99", "NA", "TARGET", "-99", "NA", "YES", "-99", "1", "1", "-99", "Field
Preserved; pH<2 confirmed"
"TF1-DUP-04-091317", "EPA 245.1/7470A", "RES", "SC39221-05", "ESAI", "7439-97-
6", "Mercury", "0.00017", "mg/l", "J", "0.00013", "MDL", "TARGET", "0.00020", "RDL", "YES", "-99", "20", "20", "0.0
0020",
"TF1-DUP-04-091317", "EPA 300.0", "DL3", "SC39221-05", "ESAI", "16887-00-6", "Chloride", "80.4", "mg/l", "GS1,
D", "0.298", "MDL", "TARGET", "3.00", "RDL", "YES", "-99", "5", "5", "0.300",
"TF1-DUP-04-091317", "EPA 300.0", "RES", "SC39221-05", "ESAI", "14797-55-8", "Nitrate as
N", "0.100", "mg/l", "U", "0.007", "MDL", "TARGET", "0.100", "RDL", "YES", "-99", "5", "5", "0.100",
"TF1-DUP-04-091317", "EPA 300.0", "RES", "SC39221-05", "ESAI", "14808-79-8", "Sulfate as
SO4", "23.2", "mg/l", "0.798", "MDL", "TARGET", "1.00", "RDL", "YES", "-99", "5", "5", "1.00",
"TF1-DUP-04-091317", "EPA 537 Modified", "RES", "SC39221-05", "ESAI", "1763-23-1", "Perfluoro-
octanesulfonate", "5", "ng/l", "Ja", "2", "MDL", "TARGET", "6", "RDL", "YES", "-99", "-99",
"TF1-DUP-04-091317", "EPA 537 Modified", "RES", "SC39221-05", "ESAI", "1763-23-1L", "13C8-
PFOS", "34", "ng/l", "-99", "NA", "SUR", "70", "-99", "NA", "YES", "48", "-99",
"TF1-DUP-04-091317", "EPA 537 Modified", "RES", "SC39221-05", "ESAI", "2058-94-8", "Perfluoroundecanoic
acid", "0", "ng/l", "1", "MDL", "TARGET", "3", "RDL", "YES", "-99", "-99", "<"
"TF1-DUP-04-091317", "EPA 537 Modified", "RES", "SC39221-05", "ESAI", "2058-94-8L", "13C7-
PFUnDA", "30", "ng/l", "-99", "NA", "SUR", "60", "-99", "NA", "YES", "50", "-99",
"TF1-DUP-04-091317", "EPA 537 Modified", "RES", "SC39221-05", "ESAI", "2706-90-3", "Perfluoropentanoic
Acid", "90", "ng/l", "0.5", "MDL", "TARGET", "2", "RDL", "YES", "-99", "-99",
"TF1-DUP-04-091317", "EPA 537 Modified", "RES", "SC39221-05", "ESAI", "2706-90-3L", "13C5-
PFPeA", "37", "ng/l", "-99", "NA", "SUR", "73", "-99", "NA", "YES", "50", "-99",
"TF1-DUP-04-091317", "EPA 537 Modified", "RES", "SC39221-05", "ESAI", "307-24-4", "Perfluorohexanoic
acid", "120", "ng/l", "0.6", "MDL", "TARGET", "2", "RDL", "YES", "-99", "-99",
"TF1-DUP-04-091317", "EPA 537 Modified", "RES", "SC39221-05", "ESAI", "307-24-4L", "13C5-
PFHxA", "42", "ng/l", "-99", "NA", "SUR", "84", "-99", "NA", "YES", "50", "-99",
"TF1-DUP-04-091317", "EPA 537 Modified", "RES", "SC39221-05", "ESAI", "307-55-1", "Perfluorododecanoic
acid", "0", "ng/l", "0.5", "MDL", "TARGET", "2", "RDL", "YES", "-99", "-99", "<"
"TF1-DUP-04-091317", "EPA 537 Modified", "RES", "SC39221-05", "ESAI", "307-55-1L", "13C2-
PFDoDA", "28", "ng/l", "-99", "NA", "SUR", "56", "-99", "NA", "YES", "50", "-99",
"TF1-DUP-04-091317", "EPA 537 Modified", "RES", "SC39221-05", "ESAI", "335-67-1", "Perfluorooctanoic
acid", "59", "ng/l", "0.6", "MDL", "TARGET", "2", "RDL", "YES", "-99", "-99",
"TF1-DUP-04-091317", "EPA 537 Modified", "RES", "SC39221-05", "ESAI", "335-67-1L", "13C8-
PFOA", "39", "ng/l", "-99", "NA", "SUR", "78", "-99", "NA", "YES", "50", "-99",
"TF1-DUP-04-091317", "EPA 537 Modified", "RES", "SC39221-05", "ESAI", "335-76-2", "Perfluorodecanoic
acid", "0", "ng/l", "0.5", "MDL", "TARGET", "2", "RDL", "YES", "-99", "-99", "<"
"TF1-DUP-04-091317", "EPA 537 Modified", "RES", "SC39221-05", "ESAI", "335-76-2L", "13C6-
PFDA", "34", "ng/l", "-99", "NA", "SUR", "69", "-99", "NA", "YES", "50", "-99",
"TF1-DUP-04-091317", "EPA 537 Modified", "RES", "SC39221-05", "ESAI", "335-77-
3", "Perfluorodecanesulfonate", "0", "ng/l", "2", "MDL", "TARGET", "6", "RDL", "YES", "-99", "-99", "<"
"TF1-DUP-04-091317", "EPA 537 Modified", "RES", "SC39221-05", "ESAI", "355-46-
4", "Perfluorohexanesulfonate", "43", "ng/l", "1", "MDL", "TARGET", "3", "RDL", "YES", "-99", "-99",
"TF1-DUP-04-091317", "EPA 537 Modified", "RES", "SC39221-05", "ESAI", "355-46-4L", "13C3-
PFHxS", "40", "ng/l", "-99", "NA", "SUR", "84", "-99", "NA", "YES", "48", "-99",
"TF1-DUP-04-091317", "EPA 537 Modified", "RES", "SC39221-05", "ESAI", "375-22-4", "Perfluorobutanoic
Acid", "34", "ng/l", "3", "MDL", "TARGET", "10", "RDL", "YES", "-99", "-99",
"TF1-DUP-04-091317", "EPA 537 Modified", "RES", "SC39221-05", "ESAI", "375-22-4L", "13C4-
PFBA", "38", "ng/l", "-99", "NA", "SUR", "76", "-99", "NA", "YES", "50", "-99",
"TF1-DUP-04-091317", "EPA 537 Modified", "RES", "SC39221-05", "ESAI", "375-73-
5", "Perfluorobutanesulfonate", "21", "ng/l", "0.8", "MDL", "TARGET", "3", "RDL", "YES", "-99", "-99",

"TF1-DUP-04-091317","EPA 537 Modified","RES","SC39221-05","ESAI","375-73-5L","13C3-PFBS","37","ng/l","-99","NA","SUR","78","-99","NA","YES","47","-99",
"TF1-DUP-04-091317","EPA 537 Modified","RES","SC39221-05","ESAI","375-85-9","Perfluoroheptanoic acid","16","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99",
"TF1-DUP-04-091317","EPA 537 Modified","RES","SC39221-05","ESAI","375-85-9L","13C4-PFHpa","41","ng/l","-99","NA","SUR","81","-99","NA","YES","50","-99",
"TF1-DUP-04-091317","EPA 537 Modified","RES","SC39221-05","ESAI","375-92-8","Perfluoroheptanesulfonate","0","ng/l","2","MDL","TARGET","6","RDL","YES","-99","-99","<",
"TF1-DUP-04-091317","EPA 537 Modified","RES","SC39221-05","ESAI","375-95-1","Perfluorononanoic acid","0","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99","<",
"TF1-DUP-04-091317","EPA 537 Modified","RES","SC39221-05","ESAI","375-95-1L","13C9-PFNA","35","ng/l","-99","NA","SUR","69","-99","NA","YES","50","-99",
"TF1-DUP-04-091317","EPA 537 Modified","RES","SC39221-05","ESAI","376-06-7","Perfluorotetradecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<",
"TF1-DUP-04-091317","EPA 537 Modified","RES","SC39221-05","ESAI","376-06-7L","13C2-PFTeDA","25","ng/l","-99","NA","SUR","51","-99","NA","YES","50","-99",
"TF1-DUP-04-091317","EPA 537 Modified","RES","SC39221-05","ESAI","72629-94-8","Perfluorotridecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<",
"TF1-DUP-04-091317","EPA 537 Modified","RES","SC39221-05","ESAI","754-91-6","PFOSA","0","ng/l","3","MDL","TARGET","9","RDL","YES","-99","-99","<",
"TF1-DUP-04-091317","EPA 537 Modified","RES","SC39221-05","ESAI","754-91-6L","13C8-PFOSA","30","ng/l","-99","NA","SUR","59","-99","NA","YES","50","-99",
"TF1-DUP-04-091317","Mod EPA 3C/SOP RSK-175","RES","SC39221-05","ESAI","74-82-8","Methane","2.20","g/l","U","2.16","MDL","TARGET","2.20","RDL","YES","-99","10","10","2.20",
"TF1-DUP-04-091317","Mod EPA 3C/SOP RSK-175","RES","SC39221-05","ESAI","74-84-0","Ethane","5.00","g/l","U","3.48","MDL","TARGET","5.00","RDL","YES","-99","10","10","5.00",
"TF1-DUP-04-091317","SM18-22 5210B","RES","SC39221-05","ESAI","NA","Biochemical Oxygen Demand (5-day)","6.00","mg/l","BOD4","2.74","MDL","TARGET","3.00","RDL","YES","-99","300","300","2.97",
"TF1-DUP-04-091317","SM2320B (97, 11)","RES","SC39221-05","ESAI","NA","Total Alkalinity","39.9","mg/l CaCO3","0.524","MDL","TARGET","2.00","RDL","YES","-99","100","50","1.50",
"TF1-DUP-04-091317","SM5310B (00, 11)","RES","SC39221-05","ESAI","NA","Total Organic Carbon","0.447","mg/l","J","0.238","MDL","TARGET","1.00","RDL","YES","-99","40","40","0.500",
"TF1-DUP-04-091317","SW846 6010C","RES","SC39221-05","ESAI","7429-90-5","Aluminum","0.0500","mg/l","U","0.0206","MDL","TARGET","0.0500","RDL","YES","-99","50","50","0.0500",
"TF1-DUP-04-091317","SW846 6010C","RES","SC39221-05","ESAI","7439-89-6","Iron","25.1","mg/l","R06","0.0089","MDL","TARGET","0.0800","RDL","YES","-99","50","50","0.0300",
"TF1-DUP-04-091317","SW846 6010C","RES","SC39221-05","ESAI","7439-95-4","Magnesium","9.50","mg/l","0.0088","MDL","TARGET","0.0200","RDL","YES","-99","50","50","0.0100",
"TF1-DUP-04-091317","SW846 6010C","RES","SC39221-05","ESAI","7440-09-7","Potassium","0.640","mg/l","J","0.120","MDL","TARGET","1.00","RDL","YES","-99","50","50","0.250",
"TF1-DUP-04-091317","SW846 6010C","RES","SC39221-05","ESAI","7440-23-5","Sodium","31.4","mg/l","0.0785","MDL","TARGET","0.500","RDL","YES","-99","50","50","0.250",
"TF1-DUP-04-091317","SW846 6010C","RES","SC39221-05","ESAI","7440-70-2","Calcium","11.3","mg/l","0.0142","MDL","TARGET","0.200","RDL","YES","-99","50","50","0.0500",
"TF1-DUP-04-091317","SW-846 6020A","RES","SC39221-05","ESAI","7439-92-1","Lead","0","mg/l","0.00011","MDL","TARGET","0.0020","RDL","YES","-99","-99","<",
"TF1-DUP-04-091317","SW-846 6020A","RES","SC39221-05","ESAI","7439-96-5","Manganese","2.51","mg/l","0.00090","MDL","TARGET","0.0040","RDL","YES","-99","-99",
"TF1-DUP-04-091317","SW-846 6020A","RES","SC39221-05","ESAI","7439-98-7","Molybdenum","0","mg/l","0.00025","MDL","TARGET","0.0010","RDL","YES","-99","-99","<",
"TF1-DUP-04-091317","SW-846 6020A","RES","SC39221-05","ESAI","7440-02-0","Nickel","0.0529","mg/l","0.0010","MDL","TARGET","0.0040","RDL","YES","-99","-99",
"TF1-DUP-04-091317","SW-846 6020A","RES","SC39221-05","ESAI","7440-22-4","Silver","0","mg/l","0.00015","MDL","TARGET","0.0010","RDL","YES","-99","-99","<",
"TF1-DUP-04-091317","SW-846 6020A","RES","SC39221-05","ESAI","7440-28-0","Thallium","0","mg/l","0.00012","MDL","TARGET","0.0010","RDL","YES","-99","-99","<"

"TF1-DUP-04-091317","SW-846 6020A","RES","SC39221-05","ESAI","7440-36-0","Antimony","0","mg/l","0.00045","MDL","TARGET","0.0020","RDL","YES","-99","-99","<"

"TF1-DUP-04-091317","SW-846 6020A","RES","SC39221-05","ESAI","7440-38-2","Arsenic","0.0018","mg/l","Ja","0.00072","MDL","TARGET","0.0040","RDL","YES","-99","-99",

"TF1-DUP-04-091317","SW-846 6020A","RES","SC39221-05","ESAI","7440-39-3","Barium","0.0118","mg/l","0.00072","MDL","TARGET","0.0040","RDL","YES","-99","-99",

"TF1-DUP-04-091317","SW-846 6020A","RES","SC39221-05","ESAI","7440-41-7","Beryllium","0.000082","mg/l","Ja","0.000071","MDL","TARGET","0.0010","RDL","YES","-99","-99",

"TF1-DUP-04-091317","SW-846 6020A","RES","SC39221-05","ESAI","7440-43-9","Cadmium","0","mg/l","0.00015","MDL","TARGET","0.0010","RDL","YES","-99","-99","<"

"TF1-DUP-04-091317","SW-846 6020A","RES","SC39221-05","ESAI","7440-47-3","Chromium","0","mg/l","0.00087","MDL","TARGET","0.0040","RDL","YES","-99","-99","<"

"TF1-DUP-04-091317","SW-846 6020A","RES","SC39221-05","ESAI","7440-48-4","Cobalt","0.0316","mg/l","0.00016","MDL","TARGET","0.0010","RDL","YES","-99","-99",

"TF1-DUP-04-091317","SW-846 6020A","RES","SC39221-05","ESAI","7440-50-8","Copper","0","mg/l","0.00054","MDL","TARGET","0.0040","RDL","YES","-99","-99","<"

"TF1-DUP-04-091317","SW-846 6020A","RES","SC39221-05","ESAI","7440-62-2","Vanadium","0","mg/l","0.00021","MDL","TARGET","0.0010","RDL","YES","-99","-99","<"

"TF1-DUP-04-091317","SW-846 6020A","RES","SC39221-05","ESAI","7440-66-6","Zinc","0.0919","mg/l","0.0039","MDL","TARGET","0.0300","RDL","YES","-99","-99",

"TF1-DUP-04-091317","SW-846 6020A","RES","SC39221-05","ESAI","7782-49-2","Selenium","0","mg/l","0.00050","MDL","TARGET","0.0040","RDL","YES","-99","-99","<"

"TF1-DUP-04-091317","SW-846 8015B","RES","SC39221-05","ESAI","108-90-7","Chlorobenzene","0.0094","mg/l","-99","NA","SUR","77","-99","NA","YES","0.012","-99",

"TF1-DUP-04-091317","SW-846 8015B","RES","SC39221-05","ESAI","84-15-1","Orthoterphenyl","0.011","mg/l","-99","NA","SUR","92","-99","NA","YES","0.012","-99",

"TF1-DUP-04-091317","SW-846 8015B","RES","SC39221-05","ESAI","PHCC8C44","C8-C44","0","mg/l","0.051","MDL","TARGET","0.20","RDL","YES","-99","-99","<"

"TF1-DUP-04-091317","SW-846 8015B","RES","SC39221-05","ESAI","PHCE","Total TPH","0","mg/l","0.051","MDL","TARGET","0.20","RDL","YES","-99","-99","<"

"TF1-DUP-04-091317","SW846 8081B","RES","SC39221-05","ESAI","1024-57-3","Heptachlor epoxide","0.019","g/l","U","0.015","MDL","TARGET","0.019","RDL","YES","-99","1040","10","0.019",

"TF1-DUP-04-091317","SW846 8081B","RES","SC39221-05","ESAI","1031-07-8","Endosulfan sulfate","0.019","g/l","U","0.019","MDL","TARGET","0.038","RDL","YES","-99","1040","10","0.019",

"TF1-DUP-04-091317","SW846 8081B","RES","SC39221-05","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl (Sr)","0.178","g/l","-99","NA","SUR","92","-99","NA","YES","0.192","1040","10","-99",

"TF1-DUP-04-091317","SW846 8081B","RES","SC39221-05","ESAI","15972-60-8","Alachlor","0.019","g/l","U","0.018","MDL","TARGET","0.019","RDL","YES","-99","1040","10","0.019",

"TF1-DUP-04-091317","SW846 8081B","RES","SC39221-05","ESAI","2051-24-3","Decachlorobiphenyl (Sr)","0.173","g/l","-99","NA","SUR","90","-99","NA","YES","0.192","1040","10","-99",

"TF1-DUP-04-091317","SW846 8081B","RES","SC39221-05","ESAI","309-00-2","Aldrin","0.019","g/l","U","0.015","MDL","TARGET","0.019","RDL","YES","-99","1040","10","0.019",

"TF1-DUP-04-091317","SW846 8081B","RES","SC39221-05","ESAI","319-84-6","alpha-BHC","0.019","g/l","U","0.011","MDL","TARGET","0.019","RDL","YES","-99","1040","10","0.019",

"TF1-DUP-04-091317","SW846 8081B","RES","SC39221-05","ESAI","319-85-7","beta-BHC","0.019","g/l","U","0.014","MDL","TARGET","0.019","RDL","YES","-99","1040","10","0.019",

"TF1-DUP-04-091317","SW846 8081B","RES","SC39221-05","ESAI","319-86-8","delta-BHC","0.019","g/l","U","0.015","MDL","TARGET","0.019","RDL","YES","-99","1040","10","0.019",

"TF1-DUP-04-091317","SW846 8081B","RES","SC39221-05","ESAI","33213-65-9","Endosulfan II","0.019","g/l","U","0.019","MDL","TARGET","0.038","RDL","YES","-99","1040","10","0.019",

"TF1-DUP-04-091317","SW846 8081B","RES","SC39221-05","ESAI","50-29-3","4,4'-DDT (p,p')","0.029","g/l","U","0.017","MDL","TARGET","0.038","RDL","YES","-99","1040","10","0.029",

"TF1-DUP-04-091317","SW846 8081B","RES","SC39221-05","ESAI","5103-71-9","alpha-Chlordane","0.019","g/l","U","0.015","MDL","TARGET","0.019","RDL","YES","-99","1040","10","0.019",

"TF1-DUP-04-091317","SW846 8081B","RES","SC39221-05","ESAI","5103-74-2","Chlordane (gamma) (trans)","0.019","g/l","U","0.015","MDL","TARGET","0.019","RDL","YES","-99","1040","10","0.019",

"TF1-DUP-04-091317","SW846 8081B","RES","SC39221-05","ESAI","53494-70-5","Endrin

ketone", "0.019", "g/l", "U", "0.017", "MDL", "TARGET", "0.038", "RDL", "YES", "-99", "1040", "10", "0.019",
"TF1-DUP-04-091317", "SW846 8081B", "RES", "SC39221-05", "ESAI", "57-74-
9", "Chlordane", "0.063", "g/l", "U", "0.049", "MDL", "TARGET", "0.063", "RDL", "YES", "-99", "1040", "10", "0.063",
"TF1-DUP-04-091317", "SW846 8081B", "RES", "SC39221-05", "ESAI", "58-89-9", "gamma-BHC
(Lindane)", "0.019", "g/l", "U", "0.017", "MDL", "TARGET", "0.019", "RDL", "YES", "-99", "1040", "10", "0.019",
"TF1-DUP-04-091317", "SW846 8081B", "RES", "SC39221-05", "ESAI", "60-57-
1", "Dieldrin", "0.019", "g/l", "U", "0.016", "MDL", "TARGET", "0.019", "RDL", "YES", "-99", "1040", "10", "0.019",
"TF1-DUP-04-091317", "SW846 8081B", "RES", "SC39221-05", "ESAI", "72-20-
8", "Endrin", "0.019", "g/l", "U", "0.018", "MDL", "TARGET", "0.038", "RDL", "YES", "-99", "1040", "10", "0.019",
"TF1-DUP-04-091317", "SW846 8081B", "RES", "SC39221-05", "ESAI", "72-43-
5", "Methoxychlor", "0.019", "g/l", "U", "0.018", "MDL", "TARGET", "0.038", "RDL", "YES", "-99", "1040", "10", "0.019",
"TF1-DUP-04-091317", "SW846 8081B", "RES", "SC39221-05", "ESAI", "72-54-8", "4,4'-DDD
(p,p')", "0.019", "g/l", "U", "0.018", "MDL", "TARGET", "0.038", "RDL", "YES", "-99", "1040", "10", "0.019",
"TF1-DUP-04-091317", "SW846 8081B", "RES", "SC39221-05", "ESAI", "72-55-9", "4,4'-DDE
(p,p')", "0.019", "g/l", "U", "0.017", "MDL", "TARGET", "0.019", "RDL", "YES", "-99", "1040", "10", "0.019",
"TF1-DUP-04-091317", "SW846 8081B", "RES", "SC39221-05", "ESAI", "7421-93-4", "Endrin
aldehyde", "0.019", "g/l", "U", "0.018", "MDL", "TARGET", "0.038", "RDL", "YES", "-99", "1040", "10", "0.019",
"TF1-DUP-04-091317", "SW846 8081B", "RES", "SC39221-05", "ESAI", "76-44-
8", "Heptachlor", "0.019", "g/l", "U", "0.019", "MDL", "TARGET", "0.019", "RDL", "YES", "-99", "1040", "10", "0.019",
"TF1-DUP-04-091317", "SW846 8081B", "RES", "SC39221-05", "ESAI", "8001-35-
2", "Toxaphene", "0.481", "g/l", "U", "0.315", "MDL", "TARGET", "0.481", "RDL", "YES", "-99", "1040", "10", "0.481",
"TF1-DUP-04-091317", "SW846 8081B", "RES", "SC39221-05", "ESAI", "877-09-8", "2,4,5,6-TC-M-Xylene
(IS)", "0.020", "g/ml", "-99", "NA", "ISTD", "81", "-99", "NA", "YES", "10.0", "1040", "10", "-99",
"TF1-DUP-04-091317", "SW846 8081B", "RES", "SC39221-05", "ESAI", "959-98-8", "Endosulfan
I", "0.019", "g/l", "U", "0.016", "MDL", "TARGET", "0.019", "RDL", "YES", "-99", "1040", "10", "0.019",
"TF1-DUP-04-091317", "SW846 8260C", "RES", "SC39221-05", "ESAI", "100-41-
4", "Ethylbenzene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-DUP-04-091317", "SW846 8260C", "RES", "SC39221-05", "ESAI", "100-42-
5", "Styrene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-DUP-04-091317", "SW846 8260C", "RES", "SC39221-05", "ESAI", "10061-01-5", "cis-1,3-
Dichloropropene", "0.5", "g/l", "U", "0.4", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-DUP-04-091317", "SW846 8260C", "RES", "SC39221-05", "ESAI", "10061-02-6", "trans-1,3-
Dichloropropene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-DUP-04-091317", "SW846 8260C", "RES", "SC39221-05", "ESAI", "106-46-7", "1,4-
Dichlorobenzene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-DUP-04-091317", "SW846 8260C", "RES", "SC39221-05", "ESAI", "106-93-4", "1,2-Dibromoethane
(EDB)", "0.5", "g/l", "U", "0.2", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-DUP-04-091317", "SW846 8260C", "RES", "SC39221-05", "ESAI", "107-06-2", "1,2-
Dichloroethane", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-DUP-04-091317", "SW846 8260C", "RES", "SC39221-05", "ESAI", "108-10-1", "4-Methyl-2-pentanone
(MIBK)", "2.0", "g/l", "U", "0.5", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-DUP-04-091317", "SW846 8260C", "RES", "SC39221-05", "ESAI", "108-87-
2", "Methylcyclohexane", "2.0", "g/l", "U", "0.7", "MDL", "TARGET", "5.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-DUP-04-091317", "SW846 8260C", "RES", "SC39221-05", "ESAI", "108-88-
3", "Toluene", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-DUP-04-091317", "SW846 8260C", "RES", "SC39221-05", "ESAI", "108-90-
7", "Chlorobenzene", "0.5", "g/l", "U", "0.2", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-DUP-04-091317", "SW846 8260C", "RES", "SC39221-05", "ESAI", "110-82-
7", "Cyclohexane", "2.0", "g/l", "U", "0.8", "MDL", "TARGET", "5.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-DUP-04-091317", "SW846 8260C", "RES", "SC39221-05", "ESAI", "120-82-1", "1,2,4-
Trichlorobenzene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-DUP-04-091317", "SW846 8260C", "RES", "SC39221-05", "ESAI", "124-48-
1", "Dibromochloromethane", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",

"TF1-DUP-04-091317","SW846 8260C","RES","SC39221-05","ESAI","127-18-4","Tetrachloroethene","1.0","g/l","U","0.6","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-DUP-04-091317","SW846 8260C","RES","SC39221-05","ESAI","156-59-2","cis-1,2-Dichloroethene","0.5","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-DUP-04-091317","SW846 8260C","RES","SC39221-05","ESAI","156-60-5","trans-1,2-Dichloroethene","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-DUP-04-091317","SW846 8260C","RES","SC39221-05","ESAI","1634-04-4","Methyl tert-butyl ether","0.3","g/l","J","0.2","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-DUP-04-091317","SW846 8260C","RES","SC39221-05","ESAI","17060-07-0","1,2-Dichloroethane-d4","53.6","g/l","-99","NA","SUR","107","-99","NA","YES","50.0","5","5","-99",
"TF1-DUP-04-091317","SW846 8260C","RES","SC39221-05","ESAI","179601-23-1","m,p-Xylene","1.0","g/l","U","0.4","MDL","TARGET","2.0","RDL","YES","-99","5","5","1.0",
"TF1-DUP-04-091317","SW846 8260C","RES","SC39221-05","ESAI","1868-53-7","Dibromofluoromethane","51.8","g/l","-99","NA","SUR","104","-99","NA","YES","50.0","5","5","-99",
"TF1-DUP-04-091317","SW846 8260C","RES","SC39221-05","ESAI","2037-26-5","Toluene-d8","48.9","g/l","-99","NA","SUR","98","-99","NA","YES","50.0","5","5","-99",
"TF1-DUP-04-091317","SW846 8260C","RES","SC39221-05","ESAI","3114-55-4","Chlorobenzene-d5","50.0","g/l","-99","NA","ISTD","91","-99","NA","YES","50.0","5","5","-99",
"TF1-DUP-04-091317","SW846 8260C","RES","SC39221-05","ESAI","3855-82-1","1,4-Dichlorobenzene-d4","50.0","g/l","-99","NA","ISTD","80","-99","NA","YES","50.0","5","5","-99",
"TF1-DUP-04-091317","SW846 8260C","RES","SC39221-05","ESAI","460-00-4","4-Bromofluorobenzene","46.7","g/l","-99","NA","SUR","93","-99","NA","YES","50.0","5","5","-99",
"TF1-DUP-04-091317","SW846 8260C","RES","SC39221-05","ESAI","462-06-6","Fluorobenzene","50.0","g/l","-99","NA","ISTD","95","-99","NA","YES","50.0","5","5","-99",
"TF1-DUP-04-091317","SW846 8260C","RES","SC39221-05","ESAI","541-73-1","1,3-Dichlorobenzene","0.5","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-DUP-04-091317","SW846 8260C","RES","SC39221-05","ESAI","56-23-5","Carbon tetrachloride","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-DUP-04-091317","SW846 8260C","RES","SC39221-05","ESAI","591-78-6","2-Hexanone (MBK)","2.0","g/l","U","0.5","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-DUP-04-091317","SW846 8260C","RES","SC39221-05","ESAI","67-64-1","Acetone","2.0","g/l","U","0.8","MDL","TARGET","10.0","RDL","YES","-99","5","5","2.0",
"TF1-DUP-04-091317","SW846 8260C","RES","SC39221-05","ESAI","67-66-3","Chloroform","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-DUP-04-091317","SW846 8260C","RES","SC39221-05","ESAI","71-43-2","Benzene","0.5","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-DUP-04-091317","SW846 8260C","RES","SC39221-05","ESAI","71-55-6","1,1,1-Trichloroethane","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-DUP-04-091317","SW846 8260C","RES","SC39221-05","ESAI","74-83-9","Bromomethane","2.0","g/l","U","0.9","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-DUP-04-091317","SW846 8260C","RES","SC39221-05","ESAI","74-87-3","Chloromethane","1.0","g/l","U","0.4","MDL","TARGET","2.0","RDL","YES","-99","5","5","1.0",
"TF1-DUP-04-091317","SW846 8260C","RES","SC39221-05","ESAI","74-97-5","Bromochloromethane","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-DUP-04-091317","SW846 8260C","RES","SC39221-05","ESAI","75-00-3","Chloroethane","2.0","g/l","U","0.6","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-DUP-04-091317","SW846 8260C","RES","SC39221-05","ESAI","75-01-4","Vinyl chloride","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-DUP-04-091317","SW846 8260C","RES","SC39221-05","ESAI","75-09-2","Methylene chloride","2.0","g/l","U","0.7","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-DUP-04-091317","SW846 8260C","RES","SC39221-05","ESAI","75-15-0","Carbon disulfide","1.0","g/l","U","0.4","MDL","TARGET","2.0","RDL","YES","-99","5","5","1.0",
"TF1-DUP-04-091317","SW846 8260C","RES","SC39221-05","ESAI","75-25-2","Bromoform","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-DUP-04-091317","SW846 8260C","RES","SC39221-05","ESAI","75-27-4","Bromodichloromethane","0.5","g/l","U","0.4","MDL","TARGET","0.5","RDL","YES","-99","5","5","0.5",
"TF1-DUP-04-091317","SW846 8260C","RES","SC39221-05","ESAI","75-34-3","1,1-

Dichloroethane", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-DUP-04-091317", "SW846 8260C", "RES", "SC39221-05", "ESAI", "75-35-4", "1,1-
Dichloroethene", "1.0", "g/l", "U", "0.7", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-DUP-04-091317", "SW846 8260C", "RES", "SC39221-05", "ESAI", "75-69-4", "Trichlorofluoromethane
(Freon 11)", "1.0", "g/l", "U", "0.5", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-DUP-04-091317", "SW846 8260C", "RES", "SC39221-05", "ESAI", "75-71-8", "Dichlorodifluoromethane
(Freon12)", "2.0", "g/l", "U", "0.6", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-DUP-04-091317", "SW846 8260C", "RES", "SC39221-05", "ESAI", "76-13-1", "1,1,2-Trichlorotrifluoroethane
(Freon 113)", "1.0", "g/l", "U", "0.5", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-DUP-04-091317", "SW846 8260C", "RES", "SC39221-05", "ESAI", "78-87-5", "1,2-
Dichloropropane", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-DUP-04-091317", "SW846 8260C", "RES", "SC39221-05", "ESAI", "78-93-3", "2-Butanone
(MEK)", "2.0", "g/l", "U", "1.1", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-DUP-04-091317", "SW846 8260C", "RES", "SC39221-05", "ESAI", "79-00-5", "1,1,2-
Trichloroethane", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-DUP-04-091317", "SW846 8260C", "RES", "SC39221-05", "ESAI", "79-01-
6", "Trichloroethene", "1.0", "g/l", "U", "0.5", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-DUP-04-091317", "SW846 8260C", "RES", "SC39221-05", "ESAI", "79-20-9", "Methyl
acetate", "2.0", "g/l", "U", "0.6", "MDL", "TARGET", "5.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-DUP-04-091317", "SW846 8260C", "RES", "SC39221-05", "ESAI", "79-34-5", "1,1,2,2-
Tetrachloroethane", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-DUP-04-091317", "SW846 8260C", "RES", "SC39221-05", "ESAI", "87-61-6", "1,2,3-
Trichlorobenzene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-DUP-04-091317", "SW846 8260C", "RES", "SC39221-05", "ESAI", "95-47-6", "o-
Xylene", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-DUP-04-091317", "SW846 8260C", "RES", "SC39221-05", "ESAI", "95-50-1", "1,2-
Dichlorobenzene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-DUP-04-091317", "SW846 8260C", "RES", "SC39221-05", "ESAI", "96-12-8", "1,2-Dibromo-3-
chloropropane", "2.0", "g/l", "U", "0.9", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-DUP-04-091317", "SW846 8260C", "RES", "SC39221-05", "ESAI", "98-82-
8", "Isopropylbenzene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-DUP-04-091317", "SW846 8270D", "RES", "SC39221-05", "ESAI", "1146-65-2", "Naphthalene-
d8", "40.0", "g/ml", "-99", "NA", "ISTD", "91", "-99", "NA", "YES", "40.0", "1080", "1", "-99",
"TF1-DUP-04-091317", "SW846 8270D", "RES", "SC39221-05", "ESAI", "120-12-
7", "Anthracene", "0.926", "g/l", "U", "0.563", "MDL", "TARGET", "4.63", "RDL", "YES", "-99", "1080", "1", "0.926",
"TF1-DUP-04-091317", "SW846 8270D", "RES", "SC39221-05", "ESAI", "129-00-
0", "Pyrene", "0.926", "g/l", "U", "0.565", "MDL", "TARGET", "4.63", "RDL", "YES", "-99", "1080", "1", "0.926",
"TF1-DUP-04-091317", "SW846 8270D", "RES", "SC39221-05", "ESAI", "15067-26-2", "Acenaphthene-
d10", "40.0", "g/ml", "-99", "NA", "ISTD", "88", "-99", "NA", "YES", "40.0", "1080", "1", "-99",
"TF1-DUP-04-091317", "SW846 8270D", "RES", "SC39221-05", "ESAI", "1517-22-2", "Phenanthrene-
d10", "40.0", "g/ml", "-99", "NA", "ISTD", "87", "-99", "NA", "YES", "40.0", "1080", "1", "-99",
"TF1-DUP-04-091317", "SW846 8270D", "RES", "SC39221-05", "ESAI", "1520-96-3", "Perylene-
d12", "40.0", "g/ml", "-99", "NA", "ISTD", "84", "-99", "NA", "YES", "40.0", "1080", "1", "-99",
"TF1-DUP-04-091317", "SW846 8270D", "RES", "SC39221-05", "ESAI", "1718-51-0", "Terphenyl-
d14", "34.4", "g/l", "-99", "NA", "SUR", "74", "-99", "NA", "YES", "46.3", "1080", "1", "-99",
"TF1-DUP-04-091317", "SW846 8270D", "RES", "SC39221-05", "ESAI", "1719-03-5", "Chrysene-
d12", "40.0", "g/ml", "-99", "NA", "ISTD", "88", "-99", "NA", "YES", "40.0", "1080", "1", "-99",
"TF1-DUP-04-091317", "SW846 8270D", "RES", "SC39221-05", "ESAI", "191-24-2", "Benzo (g,h,i)
perylene", "0.926", "g/l", "U", "0.491", "MDL", "TARGET", "4.63", "RDL", "YES", "-99", "1080", "1", "0.926",
"TF1-DUP-04-091317", "SW846 8270D", "RES", "SC39221-05", "ESAI", "193-39-5", "Indeno (1,2,3-cd)
pyrene", "0.926", "g/l", "U", "0.537", "MDL", "TARGET", "4.63", "RDL", "YES", "-99", "1080", "1", "0.926",
"TF1-DUP-04-091317", "SW846 8270D", "RES", "SC39221-05", "ESAI", "205-99-2", "Benzo (b)
fluoranthene", "0.926", "g/l", "U", "0.405", "MDL", "TARGET", "4.63", "RDL", "YES", "-99", "1080", "1", "0.926",
"TF1-DUP-04-091317", "SW846 8270D", "RES", "SC39221-05", "ESAI", "206-44-
0", "Fluoranthene", "0.926", "g/l", "U", "0.591", "MDL", "TARGET", "4.63", "RDL", "YES", "-99", "1080", "1", "0.926",
6"

"TF1-DUP-04-091317","SW846 8270D","RES","SC39221-05","ESAI","207-08-9","Benzo (k) fluoranthene","0.926","g/l","U","0.444","MDL","TARGET","4.63","RDL","YES","-99","1080","1","0.926",
"TF1-DUP-04-091317","SW846 8270D","RES","SC39221-05","ESAI","208-96-8","Acenaphthylene","0.926","g/l","U","0.632","MDL","TARGET","4.63","RDL","YES","-99","1080","1","0.926",
"TF1-DUP-04-091317","SW846 8270D","RES","SC39221-05","ESAI","218-01-9","Chrysene","0.926","g/l","U","0.493","MDL","TARGET","4.63","RDL","YES","-99","1080","1","0.926",
"TF1-DUP-04-091317","SW846 8270D","RES","SC39221-05","ESAI","321-60-8","2-Fluorobiphenyl","28.5","g/l","-99","NA","SUR","62","-99","NA","YES","46.3","1080","1","-99",
"TF1-DUP-04-091317","SW846 8270D","RES","SC39221-05","ESAI","4165-60-0","Nitrobenzene-d5","27.6","g/l","-99","NA","SUR","60","-99","NA","YES","46.3","1080","1","-99",
"TF1-DUP-04-091317","SW846 8270D","RES","SC39221-05","ESAI","50-32-8","Benzo (a) pyrene","0.926","g/l","U","0.520","MDL","TARGET","4.63","RDL","YES","-99","1080","1","0.926",
"TF1-DUP-04-091317","SW846 8270D","RES","SC39221-05","ESAI","53-70-3","Dibenzo (a,h) anthracene","0.926","g/l","U","0.417","MDL","TARGET","4.63","RDL","YES","-99","1080","1","0.926",
"TF1-DUP-04-091317","SW846 8270D","RES","SC39221-05","ESAI","56-55-3","Benzo (a) anthracene","0.926","g/l","U","0.496","MDL","TARGET","4.63","RDL","YES","-99","1080","1","0.926",
"TF1-DUP-04-091317","SW846 8270D","RES","SC39221-05","ESAI","83-32-9","Acenaphthene","0.926","g/l","U","0.640","MDL","TARGET","4.63","RDL","YES","-99","1080","1","0.926",
"TF1-DUP-04-091317","SW846 8270D","RES","SC39221-05","ESAI","85-01-8","Phenanthrene","0.926","g/l","U","0.543","MDL","TARGET","4.63","RDL","YES","-99","1080","1","0.926",
"TF1-DUP-04-091317","SW846 8270D","RES","SC39221-05","ESAI","86-73-7","Fluorene","0.926","g/l","U","0.567","MDL","TARGET","4.63","RDL","YES","-99","1080","1","0.926",
"TF1-DUP-04-091317","SW846 8270D","RES","SC39221-05","ESAI","90-12-0","1-Methylnaphthalene","0.926","g/l","U","0.679","MDL","TARGET","4.63","RDL","YES","-99","1080","1","0.926",
"TF1-DUP-04-091317","SW846 8270D","RES","SC39221-05","ESAI","91-20-3","Naphthalene","0.926","g/l","U","0.634","MDL","TARGET","4.63","RDL","YES","-99","1080","1","0.926",
"TF1-DUP-04-091317","SW846 8270D","RES","SC39221-05","ESAI","91-57-6","2-Methylnaphthalene","0.926","g/l","U","0.531","MDL","TARGET","4.63","RDL","YES","-99","1080","1","0.926",
"TF1-FRB-091317","EPA 537 Modified","RES","SC39221-07","ESAI","1763-23-1","Perfluorooctanesulfonate","0","ng/l","2","MDL","TARGET","6","RDL","YES","-99","-99","<",
"TF1-FRB-091317","EPA 537 Modified","RES","SC39221-07","ESAI","1763-23-1L","13C8-PFOS","34","ng/l","-99","NA","SUR","70","-99","NA","YES","48","-99",
"TF1-FRB-091317","EPA 537 Modified","RES","SC39221-07","ESAI","2058-94-8","Perfluoroundecanoic acid","0","ng/l","1","MDL","TARGET","3","RDL","YES","-99","-99","<",
"TF1-FRB-091317","EPA 537 Modified","RES","SC39221-07","ESAI","2058-94-8L","13C7-PFUnDA","30","ng/l","-99","NA","SUR","60","-99","NA","YES","50","-99",
"TF1-FRB-091317","EPA 537 Modified","RES","SC39221-07","ESAI","2706-90-3","Perfluoropentanoic Acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<",
"TF1-FRB-091317","EPA 537 Modified","RES","SC39221-07","ESAI","2706-90-3L","13C5-PFPeA","38","ng/l","-99","NA","SUR","76","-99","NA","YES","50","-99",
"TF1-FRB-091317","EPA 537 Modified","RES","SC39221-07","ESAI","307-24-4","Perfluorohexanoic acid","0","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99","<",
"TF1-FRB-091317","EPA 537 Modified","RES","SC39221-07","ESAI","307-24-4L","13C5-PFHxA","47","ng/l","-99","NA","SUR","94","-99","NA","YES","50","-99",
"TF1-FRB-091317","EPA 537 Modified","RES","SC39221-07","ESAI","307-55-1","Perfluorododecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<",
"TF1-FRB-091317","EPA 537 Modified","RES","SC39221-07","ESAI","307-55-1L","13C2-PFDoDA","30","ng/l","-99","NA","SUR","60","-99","NA","YES","50","-99",
"TF1-FRB-091317","EPA 537 Modified","RES","SC39221-07","ESAI","335-67-1","Perfluorooctanoic acid","0","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99","<",
"TF1-FRB-091317","EPA 537 Modified","RES","SC39221-07","ESAI","335-67-1L","13C8-

PFOA", "42", "ng/l", "-99", "NA", "SUR", "84", "-99", "NA", "YES", "50", "-99",
"TF1-FRB-091317", "EPA 537 Modified", "RES", "SC39221-07", "ESAI", "335-76-2", "Perfluorodecanoic
acid", "0", "ng/l", "0.5", "MDL", "TARGET", "2", "RDL", "YES", "-99", "-99", "<"
"TF1-FRB-091317", "EPA 537 Modified", "RES", "SC39221-07", "ESAI", "335-76-2L", "13C6-
PFDA", "36", "ng/l", "-99", "NA", "SUR", "72", "-99", "NA", "YES", "50", "-99",
"TF1-FRB-091317", "EPA 537 Modified", "RES", "SC39221-07", "ESAI", "335-77-
3", "Perfluorodecanesulfonate", "0", "ng/l", "2", "MDL", "TARGET", "6", "RDL", "YES", "-99", "-99", "<"
"TF1-FRB-091317", "EPA 537 Modified", "RES", "SC39221-07", "ESAI", "355-46-
4", "Perfluorohexanesulfonate", "0", "ng/l", "1", "MDL", "TARGET", "3", "RDL", "YES", "-99", "-99", "<"
"TF1-FRB-091317", "EPA 537 Modified", "RES", "SC39221-07", "ESAI", "355-46-4L", "13C3-
PFHxS", "43", "ng/l", "-99", "NA", "SUR", "90", "-99", "NA", "YES", "47", "-99",
"TF1-FRB-091317", "EPA 537 Modified", "RES", "SC39221-07", "ESAI", "375-22-4", "Perfluorobutanoic
Acid", "0", "ng/l", "3", "MDL", "TARGET", "10", "RDL", "YES", "-99", "-99", "<"
"TF1-FRB-091317", "EPA 537 Modified", "RES", "SC39221-07", "ESAI", "375-22-4L", "13C4-
PFBA", "40", "ng/l", "-99", "NA", "SUR", "81", "-99", "NA", "YES", "50", "-99",
"TF1-FRB-091317", "EPA 537 Modified", "RES", "SC39221-07", "ESAI", "375-73-
5", "Perfluorobutanesulfonate", "0", "ng/l", "0.8", "MDL", "TARGET", "3", "RDL", "YES", "-99", "-99", "<"
"TF1-FRB-091317", "EPA 537 Modified", "RES", "SC39221-07", "ESAI", "375-73-5L", "13C3-
PFBS", "37", "ng/l", "-99", "NA", "SUR", "79", "-99", "NA", "YES", "47", "-99",
"TF1-FRB-091317", "EPA 537 Modified", "RES", "SC39221-07", "ESAI", "375-85-9", "Perfluoroheptanoic
acid", "0", "ng/l", "0.5", "MDL", "TARGET", "2", "RDL", "YES", "-99", "-99", "<"
"TF1-FRB-091317", "EPA 537 Modified", "RES", "SC39221-07", "ESAI", "375-85-9L", "13C4-
PFHpA", "43", "ng/l", "-99", "NA", "SUR", "87", "-99", "NA", "YES", "50", "-99",
"TF1-FRB-091317", "EPA 537 Modified", "RES", "SC39221-07", "ESAI", "375-92-
8", "Perfluoroheptanesulfonate", "0", "ng/l", "2", "MDL", "TARGET", "6", "RDL", "YES", "-99", "-99", "<"
"TF1-FRB-091317", "EPA 537 Modified", "RES", "SC39221-07", "ESAI", "375-95-1", "Perfluorononanoic
acid", "0", "ng/l", "0.6", "MDL", "TARGET", "2", "RDL", "YES", "-99", "-99", "<"
"TF1-FRB-091317", "EPA 537 Modified", "RES", "SC39221-07", "ESAI", "375-95-1L", "13C9-
PFNA", "33", "ng/l", "-99", "NA", "SUR", "66", "-99", "NA", "YES", "50", "-99",
"TF1-FRB-091317", "EPA 537 Modified", "RES", "SC39221-07", "ESAI", "376-06-7", "Perfluorotetradecanoic
acid", "0", "ng/l", "0.5", "MDL", "TARGET", "2", "RDL", "YES", "-99", "-99", "<"
"TF1-FRB-091317", "EPA 537 Modified", "RES", "SC39221-07", "ESAI", "376-06-7L", "13C2-
PFTeDA", "28", "ng/l", "-99", "NA", "SUR", "56", "-99", "NA", "YES", "50", "-99",
"TF1-FRB-091317", "EPA 537 Modified", "RES", "SC39221-07", "ESAI", "72629-94-8", "Perfluorotridecanoic
acid", "0", "ng/l", "0.5", "MDL", "TARGET", "2", "RDL", "YES", "-99", "-99", "<"
"TF1-FRB-091317", "EPA 537 Modified", "RES", "SC39221-07", "ESAI", "754-91-
6", "PFOSA", "0", "ng/l", "3", "MDL", "TARGET", "9", "RDL", "YES", "-99", "-99", "<"
"TF1-FRB-091317", "EPA 537 Modified", "RES", "SC39221-07", "ESAI", "754-91-6L", "13C8-
PFOSA", "30", "ng/l", "-99", "NA", "SUR", "60", "-99", "NA", "YES", "50", "-99",
"TF1-GT-108-091317", "EPA 200/6000 methods", "RES", "SC39221-
03", "ESAI", "NA", "Preservation", "0", "N/A", "-99", "NA", "TARGET", "-99", "NA", "YES", "-99", "1", "1", "-99", "Field
Preserved; pH<2 confirmed"
"TF1-GT-108-091317", "EPA 245.1/7470A", "RES", "SC39221-03", "ESAI", "7439-97-
6", "Mercury", "0.00020", "mg/l", "U", "0.00013", "MDL", "TARGET", "0.00020", "RDL", "YES", "-99", "20", "20", "0.0
0020",
"TF1-GT-108-091317", "EPA 300.0", "DL3", "SC39221-03", "ESAI", "16887-00-6", "Chloride", "73.8", "mg/l", "GS1,
D", "0.298", "MDL", "TARGET", "3.00", "RDL", "YES", "-99", "5", "5", "0.300",
"TF1-GT-108-091317", "EPA 300.0", "RES", "SC39221-03", "ESAI", "14797-55-8", "Nitrate as
N", "0.100", "mg/l", "U", "0.007", "MDL", "TARGET", "0.100", "RDL", "YES", "-99", "5", "5", "0.100",
"TF1-GT-108-091317", "EPA 300.0", "RES", "SC39221-03", "ESAI", "14808-79-8", "Sulfate as
SO4", "4.63", "mg/l", "0.798", "MDL", "TARGET", "1.00", "RDL", "YES", "-99", "5", "5", "1.00",
"TF1-GT-108-091317", "EPA 537 Modified", "RES", "SC39221-03", "ESAI", "1763-23-1", "Perfluoro-
octanesulfonate", "5", "ng/l", "Ja", "2", "MDL", "TARGET", "6", "RDL", "YES", "-99", "-99",
"TF1-GT-108-091317", "EPA 537 Modified", "RES", "SC39221-03", "ESAI", "1763-23-1L", "13C8-
PFOS", "35", "ng/l", "-99", "NA", "SUR", "72", "-99", "NA", "YES", "48", "-99",
"TF1-GT-108-091317", "EPA 537 Modified", "RES", "SC39221-03", "ESAI", "2058-94-8", "Perfluoroundecanoic
acid", "0", "ng/l", "1", "MDL", "TARGET", "3", "RDL", "YES", "-99", "-99", "<"

"TF1-GT-108-091317","EPA 537 Modified","RES","SC39221-03","ESAI","2058-94-8L","13C7-PFUnDA","33","ng/l","-99","NA","SUR","67","-99","NA","YES","50","-99",
"TF1-GT-108-091317","EPA 537 Modified","RES","SC39221-03","ESAI","2706-90-3","Perfluoropentanoic Acid","4","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99",
"TF1-GT-108-091317","EPA 537 Modified","RES","SC39221-03","ESAI","2706-90-3L","13C5-PFPeA","38","ng/l","-99","NA","SUR","77","-99","NA","YES","50","-99",
"TF1-GT-108-091317","EPA 537 Modified","RES","SC39221-03","ESAI","307-24-4","Perfluorohexanoic acid","4","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99",
"TF1-GT-108-091317","EPA 537 Modified","RES","SC39221-03","ESAI","307-24-4L","13C5-PFHxA","42","ng/l","-99","NA","SUR","85","-99","NA","YES","50","-99",
"TF1-GT-108-091317","EPA 537 Modified","RES","SC39221-03","ESAI","307-55-1","Perfluorododecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<",
"TF1-GT-108-091317","EPA 537 Modified","RES","SC39221-03","ESAI","307-55-1L","13C2-PFDoDA","31","ng/l","-99","NA","SUR","62","-99","NA","YES","50","-99",
"TF1-GT-108-091317","EPA 537 Modified","RES","SC39221-03","ESAI","335-67-1","Perfluorooctanoic acid","6","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99",
"TF1-GT-108-091317","EPA 537 Modified","RES","SC39221-03","ESAI","335-67-1L","13C8-PFOA","38","ng/l","-99","NA","SUR","77","-99","NA","YES","50","-99",
"TF1-GT-108-091317","EPA 537 Modified","RES","SC39221-03","ESAI","335-76-2","Perfluorodecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<",
"TF1-GT-108-091317","EPA 537 Modified","RES","SC39221-03","ESAI","335-76-2L","13C6-PFDA","39","ng/l","-99","NA","SUR","78","-99","NA","YES","50","-99",
"TF1-GT-108-091317","EPA 537 Modified","RES","SC39221-03","ESAI","335-77-3","Perfluorodecanesulfonate","0","ng/l","2","MDL","TARGET","6","RDL","YES","-99","-99","<",
"TF1-GT-108-091317","EPA 537 Modified","RES","SC39221-03","ESAI","355-46-4","Perfluorohexanesulfonate","5","ng/l","1","MDL","TARGET","3","RDL","YES","-99","-99",
"TF1-GT-108-091317","EPA 537 Modified","RES","SC39221-03","ESAI","355-46-4L","13C3-PFHxS","39","ng/l","-99","NA","SUR","82","-99","NA","YES","47","-99",
"TF1-GT-108-091317","EPA 537 Modified","RES","SC39221-03","ESAI","375-22-4","Perfluorobutanoic Acid","3","ng/l","Ja","3","MDL","TARGET","10","RDL","YES","-99","-99",
"TF1-GT-108-091317","EPA 537 Modified","RES","SC39221-03","ESAI","375-22-4L","13C4-PFBA","38","ng/l","-99","NA","SUR","77","-99","NA","YES","50","-99",
"TF1-GT-108-091317","EPA 537 Modified","RES","SC39221-03","ESAI","375-73-5","Perfluorobutanesulfonate","3","ng/l","0.8","MDL","TARGET","3","RDL","YES","-99","-99",
"TF1-GT-108-091317","EPA 537 Modified","RES","SC39221-03","ESAI","375-73-5L","13C3-PFBS","42","ng/l","-99","NA","SUR","91","-99","NA","YES","46","-99",
"TF1-GT-108-091317","EPA 537 Modified","RES","SC39221-03","ESAI","375-85-9","Perfluoroheptanoic acid","2","ng/l","Ja","0.5","MDL","TARGET","2","RDL","YES","-99","-99",
"TF1-GT-108-091317","EPA 537 Modified","RES","SC39221-03","ESAI","375-85-9L","13C4-PFHpA","43","ng/l","-99","NA","SUR","86","-99","NA","YES","50","-99",
"TF1-GT-108-091317","EPA 537 Modified","RES","SC39221-03","ESAI","375-92-8","Perfluoroheptanesulfonate","0","ng/l","2","MDL","TARGET","6","RDL","YES","-99","-99","<",
"TF1-GT-108-091317","EPA 537 Modified","RES","SC39221-03","ESAI","375-95-1","Perfluorononanoic acid","5","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99",
"TF1-GT-108-091317","EPA 537 Modified","RES","SC39221-03","ESAI","375-95-1L","13C9-PFNA","35","ng/l","-99","NA","SUR","70","-99","NA","YES","50","-99",
"TF1-GT-108-091317","EPA 537 Modified","RES","SC39221-03","ESAI","376-06-7","Perfluorotetradecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<",
"TF1-GT-108-091317","EPA 537 Modified","RES","SC39221-03","ESAI","376-06-7L","13C2-PFTeDA","29","ng/l","-99","NA","SUR","57","-99","NA","YES","50","-99",
"TF1-GT-108-091317","EPA 537 Modified","RES","SC39221-03","ESAI","72629-94-8","Perfluorotridecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<",
"TF1-GT-108-091317","EPA 537 Modified","RES","SC39221-03","ESAI","754-91-6","PFOSA","0","ng/l","3","MDL","TARGET","9","RDL","YES","-99","-99","<",
"TF1-GT-108-091317","EPA 537 Modified","RES","SC39221-03","ESAI","754-91-6L","13C8-PFOA","20","ng/l","-99","NA","SUR","41","-99","NA","YES","50","-99",
"TF1-GT-108-091317","Mod EPA 3C/SOP RSK-175","RES","SC39221-03","ESAI","74-82-

8", "Methane", "117", "g/l", "2.16", "MDL", "TARGET", "2.20", "RDL", "YES", "-99", "10", "10", "2.20",
"TF1-GT-108-091317", "Mod EPA 3C/SOP RSK-175", "RES", "SC39221-03", "ESAI", "74-84-
0", "Ethane", "5.00", "g/l", "U", "3.48", "MDL", "TARGET", "5.00", "RDL", "YES", "-99", "10", "10", "5.00",
"TF1-GT-108-091317", "SM18-22 5210B", "RES", "SC39221-03", "ESAI", "NA", "Biochemical Oxygen Demand (5-
day)", "2.97", "mg/l", "BOD4, U", "2.74", "MDL", "TARGET", "3.00", "RDL", "YES", "-99", "300", "300", "2.97",
"TF1-GT-108-091317", "SM2320B (97, 11)", "RES", "SC39221-03", "ESAI", "NA", "Total Alkalinity", "47.5", "mg/l
CaCO3", "0.524", "MDL", "TARGET", "2.00", "RDL", "YES", "-99", "100", "50", "1.50",
"TF1-GT-108-091317", "SM5310B (00, 11)", "RES", "SC39221-03", "ESAI", "NA", "Total Organic
Carbon", "1.63", "mg/l", "0.238", "MDL", "TARGET", "1.00", "RDL", "YES", "-99", "40", "40", "0.500",
"TF1-GT-108-091317", "SW846 6010C", "RES", "SC39221-03", "ESAI", "7429-90-
5", "Aluminum", "0.0420", "mg/l", "J", "0.0206", "MDL", "TARGET", "0.0500", "RDL", "YES", "-99", "50", "50", "0.05
00",
"TF1-GT-108-091317", "SW846 6010C", "RES", "SC39221-03", "ESAI", "7439-89-
6", "Iron", "3.64", "mg/l", "R06", "0.0089", "MDL", "TARGET", "0.0800", "RDL", "YES", "-99", "50", "50", "0.0300",
"TF1-GT-108-091317", "SW846 6010C", "RES", "SC39221-03", "ESAI", "7439-95-
4", "Magnesium", "4.33", "mg/l", "0.0088", "MDL", "TARGET", "0.0200", "RDL", "YES", "-99", "50", "50", "0.0100",
"TF1-GT-108-091317", "SW846 6010C", "RES", "SC39221-03", "ESAI", "7440-09-
7", "Potassium", "3.04", "mg/l", "0.120", "MDL", "TARGET", "1.00", "RDL", "YES", "-99", "50", "50", "0.250",
"TF1-GT-108-091317", "SW846 6010C", "RES", "SC39221-03", "ESAI", "7440-23-
5", "Sodium", "37.0", "mg/l", "0.0785", "MDL", "TARGET", "0.500", "RDL", "YES", "-99", "50", "50", "0.250",
"TF1-GT-108-091317", "SW846 6010C", "RES", "SC39221-03", "ESAI", "7440-70-
2", "Calcium", "18.2", "mg/l", "0.0142", "MDL", "TARGET", "0.200", "RDL", "YES", "-99", "50", "50", "0.0500",
"TF1-GT-108-091317", "SW-846 6020A", "RES", "SC39221-03", "ESAI", "7439-92-
1", "Lead", "0.0010", "mg/l", "Ja", "0.00011", "MDL", "TARGET", "0.0020", "RDL", "YES", "-99", " ", "-99",
"TF1-GT-108-091317", "SW-846 6020A", "RES", "SC39221-03", "ESAI", "7439-96-
5", "Manganese", "1.35", "mg/l", "0.00090", "MDL", "TARGET", "0.0040", "RDL", "YES", "-99", " ", "-99",
"TF1-GT-108-091317", "SW-846 6020A", "RES", "SC39221-03", "ESAI", "7439-98-
7", "Molybdenum", "0.00076", "mg/l", "Ja", "0.00025", "MDL", "TARGET", "0.0010", "RDL", "YES", "-99", " ", "-99",
"TF1-GT-108-091317", "SW-846 6020A", "RES", "SC39221-03", "ESAI", "7440-02-
0", "Nickel", "0.0148", "mg/l", "0.0010", "MDL", "TARGET", "0.0040", "RDL", "YES", "-99", " ", "-99",
"TF1-GT-108-091317", "SW-846 6020A", "RES", "SC39221-03", "ESAI", "7440-22-
4", "Silver", "0", "mg/l", "0.00015", "MDL", "TARGET", "0.0010", "RDL", "YES", "-99", " ", "-99", "<"
"TF1-GT-108-091317", "SW-846 6020A", "RES", "SC39221-03", "ESAI", "7440-28-
0", "Thallium", "0", "mg/l", "0.00012", "MDL", "TARGET", "0.0010", "RDL", "YES", "-99", " ", "-99", "<"
"TF1-GT-108-091317", "SW-846 6020A", "RES", "SC39221-03", "ESAI", "7440-36-
0", "Antimony", "0", "mg/l", "0.00045", "MDL", "TARGET", "0.0020", "RDL", "YES", "-99", " ", "-99", "<"
"TF1-GT-108-091317", "SW-846 6020A", "RES", "SC39221-03", "ESAI", "7440-38-
2", "Arsenic", "0.0138", "mg/l", "0.00072", "MDL", "TARGET", "0.0040", "RDL", "YES", "-99", " ", "-99",
"TF1-GT-108-091317", "SW-846 6020A", "RES", "SC39221-03", "ESAI", "7440-39-
3", "Barium", "0.0080", "mg/l", "0.00072", "MDL", "TARGET", "0.0040", "RDL", "YES", "-99", " ", "-99",
"TF1-GT-108-091317", "SW-846 6020A", "RES", "SC39221-03", "ESAI", "7440-41-
7", "Beryllium", "0", "mg/l", "0.000071", "MDL", "TARGET", "0.0010", "RDL", "YES", "-99", " ", "-99", "<"
"TF1-GT-108-091317", "SW-846 6020A", "RES", "SC39221-03", "ESAI", "7440-43-
9", "Cadmium", "0", "mg/l", "0.00015", "MDL", "TARGET", "0.0010", "RDL", "YES", "-99", " ", "-99", "<"
"TF1-GT-108-091317", "SW-846 6020A", "RES", "SC39221-03", "ESAI", "7440-47-
3", "Chromium", "0", "mg/l", "0.00087", "MDL", "TARGET", "0.0040", "RDL", "YES", "-99", " ", "-99", "<"
"TF1-GT-108-091317", "SW-846 6020A", "RES", "SC39221-03", "ESAI", "7440-48-
4", "Cobalt", "0.0162", "mg/l", "0.00016", "MDL", "TARGET", "0.0010", "RDL", "YES", "-99", " ", "-99",
"TF1-GT-108-091317", "SW-846 6020A", "RES", "SC39221-03", "ESAI", "7440-50-
8", "Copper", "0.0019", "mg/l", "Ja", "0.00054", "MDL", "TARGET", "0.0040", "RDL", "YES", "-99", " ", "-99",
"TF1-GT-108-091317", "SW-846 6020A", "RES", "SC39221-03", "ESAI", "7440-62-
2", "Vanadium", "0", "mg/l", "0.00021", "MDL", "TARGET", "0.0010", "RDL", "YES", "-99", " ", "-99", "<"
"TF1-GT-108-091317", "SW-846 6020A", "RES", "SC39221-03", "ESAI", "7440-66-
6", "Zinc", "0.0085", "mg/l", "Ja", "0.0039", "MDL", "TARGET", "0.0300", "RDL", "YES", "-99", " ", "-99",
"TF1-GT-108-091317", "SW-846 6020A", "RES", "SC39221-03", "ESAI", "7782-49-
2", "Selenium", "0", "mg/l", "0.00050", "MDL", "TARGET", "0.0040", "RDL", "YES", "-99", " ", "-99", "<"
"TF1-GT-108-091317", "SW-846 8015B", "RES", "SC39221-03", "ESAI", "108-90-

7", "Chlorobenzene", "0.010", "mg/l", "-99", "NA", "SUR", "82", "-99", "NA", "YES", "0.012", "", "-99",
"TF1-GT-108-091317", "SW-846 8015B", "RES", "SC39221-03", "ESAI", "84-15-
1", "Orthoterphenyl", "0.012", "mg/l", "-99", "NA", "SUR", "100", "-99", "NA", "YES", "0.013", "", "-99",
"TF1-GT-108-091317", "SW-846 8015B", "RES", "SC39221-03", "ESAI", "PHCC8C44", "C8-
C44", "0", "mg/l", "0.051", "MDL", "TARGET", "0.21", "RDL", "YES", "-99", "-99", "<"
"TF1-GT-108-091317", "SW-846 8015B", "RES", "SC39221-03", "ESAI", "PHCE", "Total
TPH", "0", "mg/l", "0.051", "MDL", "TARGET", "0.21", "RDL", "YES", "-99", "-99", "<"
"TF1-GT-108-091317", "SW846 8081B", "RES", "SC39221-03", "ESAI", "1024-57-3", "Heptachlor
epoxide", "0.020", "g/l", "U", "0.015", "MDL", "TARGET", "0.020", "RDL", "YES", "-99", "1010", "10", "0.020",
"TF1-GT-108-091317", "SW846 8081B", "RES", "SC39221-03", "ESAI", "1031-07-8", "Endosulfan
sulfate", "0.020", "g/l", "U", "0.020", "MDL", "TARGET", "0.040", "RDL", "YES", "-99", "1010", "10", "0.020",
"TF1-GT-108-091317", "SW846 8081B", "RES", "SC39221-03", "ESAI", "10386-84-2", "4,4-DB-Octafluorobiphenyl
(Sr)", "0.162", "g/l", "-99", "NA", "SUR", "82", "-99", "NA", "YES", "0.198", "1010", "10", "-99",
"TF1-GT-108-091317", "SW846 8081B", "RES", "SC39221-03", "ESAI", "15972-60-
8", "Alachlor", "0.020", "g/l", "U", "0.019", "MDL", "TARGET", "0.020", "RDL", "YES", "-99", "1010", "10", "0.020",
"TF1-GT-108-091317", "SW846 8081B", "RES", "SC39221-03", "ESAI", "2051-24-3", "Decachlorobiphenyl
(Sr)", "0.172", "g/l", "-99", "NA", "SUR", "87", "-99", "NA", "YES", "0.198", "1010", "10", "-99",
"TF1-GT-108-091317", "SW846 8081B", "RES", "SC39221-03", "ESAI", "309-00-
2", "Aldrin", "0.020", "g/l", "U", "0.016", "MDL", "TARGET", "0.020", "RDL", "YES", "-99", "1010", "10", "0.020",
"TF1-GT-108-091317", "SW846 8081B", "RES", "SC39221-03", "ESAI", "319-84-6", "alpha-
BHC", "0.020", "g/l", "U", "0.011", "MDL", "TARGET", "0.020", "RDL", "YES", "-99", "1010", "10", "0.020",
"TF1-GT-108-091317", "SW846 8081B", "RES", "SC39221-03", "ESAI", "319-85-7", "beta-
BHC", "0.020", "g/l", "U", "0.014", "MDL", "TARGET", "0.020", "RDL", "YES", "-99", "1010", "10", "0.020",
"TF1-GT-108-091317", "SW846 8081B", "RES", "SC39221-03", "ESAI", "319-86-8", "delta-
BHC", "0.020", "g/l", "U", "0.015", "MDL", "TARGET", "0.020", "RDL", "YES", "-99", "1010", "10", "0.020",
"TF1-GT-108-091317", "SW846 8081B", "RES", "SC39221-03", "ESAI", "33213-65-9", "Endosulfan
II", "0.020", "g/l", "U", "0.020", "MDL", "TARGET", "0.040", "RDL", "YES", "-99", "1010", "10", "0.020",
"TF1-GT-108-091317", "SW846 8081B", "RES", "SC39221-03", "ESAI", "50-29-3", "4,4'-DDT
(p,p')", "0.030", "g/l", "U", "0.018", "MDL", "TARGET", "0.040", "RDL", "YES", "-99", "1010", "10", "0.030",
"TF1-GT-108-091317", "SW846 8081B", "RES", "SC39221-03", "ESAI", "5103-71-9", "alpha-
Chlordane", "0.020", "g/l", "U", "0.015", "MDL", "TARGET", "0.020", "RDL", "YES", "-99", "1010", "10", "0.020",
"TF1-GT-108-091317", "SW846 8081B", "RES", "SC39221-03", "ESAI", "5103-74-2", "Chlordane (gamma)
(trans)", "0.020", "g/l", "U", "0.016", "MDL", "TARGET", "0.020", "RDL", "YES", "-99", "1010", "10", "0.020",
"TF1-GT-108-091317", "SW846 8081B", "RES", "SC39221-03", "ESAI", "53494-70-5", "Endrin
ketone", "0.020", "g/l", "U", "0.017", "MDL", "TARGET", "0.040", "RDL", "YES", "-99", "1010", "10", "0.020",
"TF1-GT-108-091317", "SW846 8081B", "RES", "SC39221-03", "ESAI", "57-74-
9", "Chlordane", "0.064", "g/l", "U", "0.051", "MDL", "TARGET", "0.064", "RDL", "YES", "-99", "1010", "10", "0.064",
"TF1-GT-108-091317", "SW846 8081B", "RES", "SC39221-03", "ESAI", "58-89-9", "gamma-BHC
(Lindane)", "0.020", "g/l", "U", "0.017", "MDL", "TARGET", "0.020", "RDL", "YES", "-99", "1010", "10", "0.020",
"TF1-GT-108-091317", "SW846 8081B", "RES", "SC39221-03", "ESAI", "60-57-
1", "Dieldrin", "0.020", "g/l", "U", "0.017", "MDL", "TARGET", "0.020", "RDL", "YES", "-99", "1010", "10", "0.020",
"TF1-GT-108-091317", "SW846 8081B", "RES", "SC39221-03", "ESAI", "72-20-
8", "Endrin", "0.020", "g/l", "U", "0.019", "MDL", "TARGET", "0.040", "RDL", "YES", "-99", "1010", "10", "0.020",
"TF1-GT-108-091317", "SW846 8081B", "RES", "SC39221-03", "ESAI", "72-43-
5", "Methoxychlor", "0.020", "g/l", "U", "0.018", "MDL", "TARGET", "0.040", "RDL", "YES", "-99", "1010", "10", "0.020",
"TF1-GT-108-091317", "SW846 8081B", "RES", "SC39221-03", "ESAI", "72-54-8", "4,4'-DDD
(p,p')", "0.020", "g/l", "U", "0.018", "MDL", "TARGET", "0.040", "RDL", "YES", "-99", "1010", "10", "0.020",
"TF1-GT-108-091317", "SW846 8081B", "RES", "SC39221-03", "ESAI", "72-55-9", "4,4'-DDE
(p,p')", "0.020", "g/l", "U", "0.018", "MDL", "TARGET", "0.020", "RDL", "YES", "-99", "1010", "10", "0.020",
"TF1-GT-108-091317", "SW846 8081B", "RES", "SC39221-03", "ESAI", "7421-93-4", "Endrin
aldehyde", "0.020", "g/l", "U", "0.019", "MDL", "TARGET", "0.040", "RDL", "YES", "-99", "1010", "10", "0.020",
"TF1-GT-108-091317", "SW846 8081B", "RES", "SC39221-03", "ESAI", "76-44-
8", "Heptachlor", "0.020", "g/l", "U", "0.019", "MDL", "TARGET", "0.020", "RDL", "YES", "-99", "1010", "10", "0.020",
"TF1-GT-108-091317", "SW846 8081B", "RES", "SC39221-03", "ESAI", "8001-35-

2", "Toxaphene", "0.495", "g/l", "U", "0.325", "MDL", "TARGET", "0.495", "RDL", "YES", "-99", "1010", "10", "0.495",
TF1-GT-108-091317", "SW846 8081B", "RES", "SC39221-03", "ESAI", "877-09-8", "2,4,5,6-TC-M-Xylene (IS)", "0.020", "g/ml", "-99", "NA", "ISTD", "57", "-99", "NA", "YES", "10.0", "1010", "10", "-99",
TF1-GT-108-091317", "SW846 8081B", "RES", "SC39221-03", "ESAI", "959-98-8", "Endosulfan I", "0.020", "g/l", "U", "0.016", "MDL", "TARGET", "0.020", "RDL", "YES", "-99", "1010", "10", "0.020",
TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "100-41-4", "Ethylbenzene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "100-42-5", "Styrene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "10061-01-5", "cis-1,3-Dichloropropene", "0.5", "g/l", "U", "0.4", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "10061-02-6", "trans-1,3-Dichloropropene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "106-46-7", "1,4-Dichlorobenzene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "106-93-4", "1,2-Dibromoethane (EDB)", "0.5", "g/l", "U", "0.2", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "107-06-2", "1,2-Dichloroethane", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "108-10-1", "4-Methyl-2-pentanone (MIBK)", "2.0", "g/l", "U", "0.5", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "108-87-2", "Methylcyclohexane", "2.0", "g/l", "U", "0.7", "MDL", "TARGET", "5.0", "RDL", "YES", "-99", "5", "5", "2.0",
TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "108-88-3", "Toluene", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "108-90-7", "Chlorobenzene", "0.5", "g/l", "U", "0.2", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "110-82-7", "Cyclohexane", "2.0", "g/l", "U", "0.8", "MDL", "TARGET", "5.0", "RDL", "YES", "-99", "5", "5", "2.0",
TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "120-82-1", "1,2,4-Trichlorobenzene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "124-48-1", "Dibromochloromethane", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "127-18-4", "Tetrachloroethene", "1.0", "g/l", "U", "0.6", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "156-59-2", "cis-1,2-Dichloroethene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "156-60-5", "trans-1,2-Dichloroethene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "1634-04-4", "Methyl tert-butyl ether", "0.8", "g/l", "J", "0.2", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "17060-07-0", "1,2-Dichloroethane-d4", "52.4", "g/l", "-99", "NA", "SUR", "105", "-99", "NA", "YES", "50.0", "5", "5", "-99",
TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "179601-23-1", "m,p-Xylene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "1.0",
TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "1868-53-7", "Dibromofluoromethane", "49.8", "g/l", "-99", "NA", "SUR", "100", "-99", "NA", "YES", "50.0", "5", "5", "-99",
TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "2037-26-5", "Toluene-d8", "51.6", "g/l", "-99", "NA", "SUR", "103", "-99", "NA", "YES", "50.0", "5", "5", "-99",
TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "3114-55-4", "Chlorobenzene-d5", "50.0", "g/l", "-99", "NA", "ISTD", "94", "-99", "NA", "YES", "50.0", "5", "5", "-99",
TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "3855-82-1", "1,4-Dichlorobenzene-d4", "50.0", "g/l", "-99", "NA", "ISTD", "80", "-99", "NA", "YES", "50.0", "5", "5", "-99",
TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "460-00-4", "4-Bromofluorobenzene", "45.5", "g/l", "-99", "NA", "SUR", "91", "-99", "NA", "YES", "50.0", "5", "5", "-99",
TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "462-06-

6", "Fluorobenzene", "50.0", "g/l", "-99", "NA", "ISTD", "99", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "541-73-1", "1,3-
Dichlorobenzene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "56-23-5", "Carbon
tetrachloride", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "591-78-6", "2-Hexanone
(MBK)", "2.0", "g/l", "U", "0.5", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "67-64-
1", "Acetone", "2.0", "g/l", "U", "0.8", "MDL", "TARGET", "10.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "67-66-
3", "Chloroform", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "71-43-
2", "Benzene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "71-55-6", "1,1,1-
Trichloroethane", "1.0", "g/l", "U", "0.5", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "74-83-
9", "Bromomethane", "2.0", "g/l", "U", "0.9", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "74-87-
3", "Chloromethane", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "74-97-
5", "Bromochloromethane", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "75-00-
3", "Chloroethane", "2.0", "g/l", "U", "0.6", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "75-01-4", "Vinyl
chloride", "1.0", "g/l", "U", "0.5", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "75-09-2", "Methylene
chloride", "2.0", "g/l", "U", "0.7", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "75-15-0", "Carbon
disulfide", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "75-25-
2", "Bromoform", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "75-27-
4", "Bromodichloromethane", "0.5", "g/l", "U", "0.4", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "75-34-3", "1,1-
Dichloroethane", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "75-35-4", "1,1-
Dichloroethene", "1.0", "g/l", "U", "0.7", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "75-69-4", "Trichlorofluoromethane (Freon
11)", "1.0", "g/l", "U", "0.5", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "75-71-8", "Dichlorodifluoromethane
(Freon12)", "2.0", "g/l", "U", "0.6", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "76-13-1", "1,1,2-Trichlorotrifluoroethane
(Freon 113)", "1.0", "g/l", "U", "0.5", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "78-87-5", "1,2-
Dichloropropane", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "78-93-3", "2-Butanone
(MEK)", "2.0", "g/l", "U", "1.1", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "79-00-5", "1,1,2-
Trichloroethane", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "79-01-
6", "Trichloroethene", "1.0", "g/l", "U", "0.5", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "79-20-9", "Methyl
acetate", "2.0", "g/l", "U", "0.6", "MDL", "TARGET", "5.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "79-34-5", "1,1,2,2-
Tetrachloroethane", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-GT-108-091317", "SW846 8260C", "RES", "SC39221-03", "ESAI", "87-61-6", "1,2,3-
Trichlorobenzene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",

"TF1-GT-108-091317","SW846 8260C","RES","SC39221-03","ESAI","95-47-6","o-Xylene","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-108-091317","SW846 8260C","RES","SC39221-03","ESAI","95-50-1","1,2-Dichlorobenzene","0.5","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-GT-108-091317","SW846 8260C","RES","SC39221-03","ESAI","96-12-8","1,2-Dibromo-3-chloropropane","2.0","g/l","U","0.9","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-GT-108-091317","SW846 8260C","RES","SC39221-03","ESAI","98-82-8","Isopropylbenzene","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-108-091317","SW846 8270D","RES","SC39221-03","ESAI","1146-65-2","Naphthalene-d8","40.0","g/ml","-99","NA","ISTD","95","-99","NA","YES","40.0","1040","1","-99",
"TF1-GT-108-091317","SW846 8270D","RES","SC39221-03","ESAI","120-12-7","Anthracene","0.962","g/l","U","0.585","MDL","TARGET","4.81","RDL","YES","-99","1040","1","0.962",
"TF1-GT-108-091317","SW846 8270D","RES","SC39221-03","ESAI","129-00-0","Pyrene","0.962","g/l","U","0.587","MDL","TARGET","4.81","RDL","YES","-99","1040","1","0.962",
"TF1-GT-108-091317","SW846 8270D","RES","SC39221-03","ESAI","15067-26-2","Acenaphthene-d10","40.0","g/ml","-99","NA","ISTD","90","-99","NA","YES","40.0","1040","1","-99",
"TF1-GT-108-091317","SW846 8270D","RES","SC39221-03","ESAI","1517-22-2","Phenanthrene-d10","40.0","g/ml","-99","NA","ISTD","89","-99","NA","YES","40.0","1040","1","-99",
"TF1-GT-108-091317","SW846 8270D","RES","SC39221-03","ESAI","1520-96-3","Perylene-d12","40.0","g/ml","-99","NA","ISTD","94","-99","NA","YES","40.0","1040","1","-99",
"TF1-GT-108-091317","SW846 8270D","RES","SC39221-03","ESAI","1718-51-0","Terphenyl-d14","33.2","g/l","-99","NA","SUR","69","-99","NA","YES","48.1","1040","1","-99",
"TF1-GT-108-091317","SW846 8270D","RES","SC39221-03","ESAI","1719-03-5","Chrysene-d12","40.0","g/ml","-99","NA","ISTD","95","-99","NA","YES","40.0","1040","1","-99",
"TF1-GT-108-091317","SW846 8270D","RES","SC39221-03","ESAI","191-24-2","Benzo (g,h,i) perylene","0.962","g/l","U","0.510","MDL","TARGET","4.81","RDL","YES","-99","1040","1","0.962",
"TF1-GT-108-091317","SW846 8270D","RES","SC39221-03","ESAI","193-39-5","Indeno (1,2,3-cd) pyrene","0.962","g/l","U","0.558","MDL","TARGET","4.81","RDL","YES","-99","1040","1","0.962",
"TF1-GT-108-091317","SW846 8270D","RES","SC39221-03","ESAI","205-99-2","Benzo (b) fluoranthene","0.962","g/l","U","0.420","MDL","TARGET","4.81","RDL","YES","-99","1040","1","0.962",
"TF1-GT-108-091317","SW846 8270D","RES","SC39221-03","ESAI","206-44-0","Fluoranthene","0.962","g/l","U","0.613","MDL","TARGET","4.81","RDL","YES","-99","1040","1","0.962",
"TF1-GT-108-091317","SW846 8270D","RES","SC39221-03","ESAI","207-08-9","Benzo (k) fluoranthene","0.962","g/l","U","0.462","MDL","TARGET","4.81","RDL","YES","-99","1040","1","0.962",
"TF1-GT-108-091317","SW846 8270D","RES","SC39221-03","ESAI","208-96-8","Acenaphthylene","0.962","g/l","U","0.657","MDL","TARGET","4.81","RDL","YES","-99","1040","1","0.962",
"TF1-GT-108-091317","SW846 8270D","RES","SC39221-03","ESAI","218-01-9","Chrysene","0.962","g/l","U","0.512","MDL","TARGET","4.81","RDL","YES","-99","1040","1","0.962",
"TF1-GT-108-091317","SW846 8270D","RES","SC39221-03","ESAI","321-60-8","2-Fluorobiphenyl","28.0","g/l","-99","NA","SUR","58","-99","NA","YES","48.1","1040","1","-99",
"TF1-GT-108-091317","SW846 8270D","RES","SC39221-03","ESAI","4165-60-0","Nitrobenzene-d5","25.4","g/l","-99","NA","SUR","53","-99","NA","YES","48.1","1040","1","-99",
"TF1-GT-108-091317","SW846 8270D","RES","SC39221-03","ESAI","50-32-8","Benzo (a) pyrene","0.962","g/l","U","0.540","MDL","TARGET","4.81","RDL","YES","-99","1040","1","0.962",
"TF1-GT-108-091317","SW846 8270D","RES","SC39221-03","ESAI","53-70-3","Dibenzo (a,h) anthracene","0.962","g/l","U","0.433","MDL","TARGET","4.81","RDL","YES","-99","1040","1","0.962",
"TF1-GT-108-091317","SW846 8270D","RES","SC39221-03","ESAI","56-55-3","Benzo (a) anthracene","0.962","g/l","U","0.515","MDL","TARGET","4.81","RDL","YES","-99","1040","1","0.962",
"TF1-GT-108-091317","SW846 8270D","RES","SC39221-03","ESAI","83-32-9","Acenaphthene","0.962","g/l","U","0.664","MDL","TARGET","4.81","RDL","YES","-99","1040","1","0.962",
"TF1-GT-108-091317","SW846 8270D","RES","SC39221-03","ESAI","85-01-8","Phenanthrene","0.962","g/l","U","0.563","MDL","TARGET","4.81","RDL","YES","-99","1040","1","0.962",

"TF1-GT-108-091317","SW846 8270D","RES","SC39221-03","ESAI","86-73-7","Fluorene","0.962","mg/l","U","0.588","MDL","TARGET","4.81","RDL","YES","-99","1040","1","0.962",
"TF1-GT-108-091317","SW846 8270D","RES","SC39221-03","ESAI","90-12-0","1-Methylnaphthalene","0.962","mg/l","U","0.705","MDL","TARGET","4.81","RDL","YES","-99","1040","1","0.962",
"TF1-GT-108-091317","SW846 8270D","RES","SC39221-03","ESAI","91-20-3","Naphthalene","0.962","mg/l","U","0.659","MDL","TARGET","4.81","RDL","YES","-99","1040","1","0.962",
"TF1-GT-108-091317","SW846 8270D","RES","SC39221-03","ESAI","91-57-6","2-Methylnaphthalene","0.962","mg/l","U","0.552","MDL","TARGET","4.81","RDL","YES","-99","1040","1","0.962",
"TF1-GT-117-091317","EPA 200/6000 methods","RES","SC39221-02","ESAI","NA","Preservation","0","N/A","-99","NA","TARGET","-99","NA","YES","-99","1","1","-99","Field Preserved; pH<2 confirmed",
"TF1-GT-117-091317","EPA 245.1/7470A","RES","SC39221-02","ESAI","7439-97-6","Mercury","0.00020","mg/l","U","0.00013","MDL","TARGET","0.00020","RDL","YES","-99","20","20","0.00020",
"TF1-GT-117-091317","EPA 300.0","RES","SC39221-02","ESAI","14797-55-8","Nitrate as N","0.026","mg/l","J","0.007","MDL","TARGET","0.100","RDL","YES","-99","5","5","0.100",
"TF1-GT-117-091317","EPA 300.0","RES","SC39221-02","ESAI","14808-79-8","Sulfate as SO4","13.6","mg/l","0.798","MDL","TARGET","1.00","RDL","YES","-99","5","5","1.00",
"TF1-GT-117-091317","EPA 300.0","RES","SC39221-02","ESAI","16887-00-6","Chloride","43.8","mg/l","0.0994","MDL","TARGET","1.00","RDL","YES","-99","5","5","0.100",
"TF1-GT-117-091317","EPA 537 Modified","RES","SC39221-02","ESAI","1763-23-1","Perfluorooctanesulfonate","3","ng/l","Ja","2","MDL","TARGET","6","RDL","YES","-99","-99",
"TF1-GT-117-091317","EPA 537 Modified","RES","SC39221-02","ESAI","1763-23-1L","13C8-PFOS","38","ng/l","-99","NA","SUR","80","-99","NA","YES","48","-99",
"TF1-GT-117-091317","EPA 537 Modified","RES","SC39221-02","ESAI","2058-94-8","Perfluoroundecanoic acid","0","ng/l","1","MDL","TARGET","3","RDL","YES","-99","-99","<",
"TF1-GT-117-091317","EPA 537 Modified","RES","SC39221-02","ESAI","2058-94-8L","13C7-PFUnDA","35","ng/l","-99","NA","SUR","71","-99","NA","YES","50","-99",
"TF1-GT-117-091317","EPA 537 Modified","RES","SC39221-02","ESAI","2706-90-3","Perfluoropentanoic Acid","1","ng/l","Ja","0.5","MDL","TARGET","2","RDL","YES","-99","-99",
"TF1-GT-117-091317","EPA 537 Modified","RES","SC39221-02","ESAI","2706-90-3L","13C5-PFPeA","42","ng/l","-99","NA","SUR","84","-99","NA","YES","50","-99",
"TF1-GT-117-091317","EPA 537 Modified","RES","SC39221-02","ESAI","307-24-4","Perfluorohexanoic acid","1","ng/l","Ja","0.6","MDL","TARGET","2","RDL","YES","-99","-99",
"TF1-GT-117-091317","EPA 537 Modified","RES","SC39221-02","ESAI","307-24-4L","13C5-PFHxA","40","ng/l","-99","NA","SUR","79","-99","NA","YES","50","-99",
"TF1-GT-117-091317","EPA 537 Modified","RES","SC39221-02","ESAI","307-55-1","Perfluorododecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<",
"TF1-GT-117-091317","EPA 537 Modified","RES","SC39221-02","ESAI","307-55-1L","13C2-PFDoDA","33","ng/l","-99","NA","SUR","65","-99","NA","YES","50","-99",
"TF1-GT-117-091317","EPA 537 Modified","RES","SC39221-02","ESAI","335-67-1","Perfluorooctanoic acid","3","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99",
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"TF1-GT-117-091317","EPA 537 Modified","RES","SC39221-02","ESAI","355-46-4","Perfluorohexanesulfonate","4","ng/l","1","MDL","TARGET","3","RDL","YES","-99","-99",
"TF1-GT-117-091317","EPA 537 Modified","RES","SC39221-02","ESAI","355-46-4L","13C3-PFHxS","41","ng/l","-99","NA","SUR","86","-99","NA","YES","47","-99",

"TF1-GT-117-091317","EPA 537 Modified","RES","SC39221-02","ESAI","375-22-4","Perfluorobutanoic Acid","0","ng/l","3","MDL","TARGET","10","RDL","YES","-99","-99","<"

"TF1-GT-117-091317","EPA 537 Modified","RES","SC39221-02","ESAI","375-22-4L","13C4-PFBA","38","ng/l","-99","NA","SUR","75","-99","NA","YES","50","-99"

"TF1-GT-117-091317","EPA 537 Modified","RES","SC39221-02","ESAI","375-73-5","Perfluorobutanesulfonate","2","ng/l","Ja","0.8","MDL","TARGET","3","RDL","YES","-99","-99"

"TF1-GT-117-091317","EPA 537 Modified","RES","SC39221-02","ESAI","375-73-5L","13C3-PFBS","45","ng/l","-99","NA","SUR","96","-99","NA","YES","46","-99"

"TF1-GT-117-091317","EPA 537 Modified","RES","SC39221-02","ESAI","375-85-9","Perfluoroheptanoic acid","0.7","ng/l","Ja","0.5","MDL","TARGET","2","RDL","YES","-99","-99"

"TF1-GT-117-091317","EPA 537 Modified","RES","SC39221-02","ESAI","375-85-9L","13C4-PFHpA","39","ng/l","-99","NA","SUR","79","-99","NA","YES","50","-99"

"TF1-GT-117-091317","EPA 537 Modified","RES","SC39221-02","ESAI","375-92-8","Perfluoroheptanesulfonate","0","ng/l","2","MDL","TARGET","6","RDL","YES","-99","-99","<"

"TF1-GT-117-091317","EPA 537 Modified","RES","SC39221-02","ESAI","375-95-1","Perfluorononanoic acid","2","ng/l","Ja","0.6","MDL","TARGET","2","RDL","YES","-99","-99"

"TF1-GT-117-091317","EPA 537 Modified","RES","SC39221-02","ESAI","375-95-1L","13C9-PFNA","35","ng/l","-99","NA","SUR","71","-99","NA","YES","50","-99"

"TF1-GT-117-091317","EPA 537 Modified","RES","SC39221-02","ESAI","376-06-7","Perfluorotetradecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<"

"TF1-GT-117-091317","EPA 537 Modified","RES","SC39221-02","ESAI","376-06-7L","13C2-PFTeDA","30","ng/l","-99","NA","SUR","59","-99","NA","YES","50","-99"

"TF1-GT-117-091317","EPA 537 Modified","RES","SC39221-02","ESAI","72629-94-8","Perfluorotridecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<"

"TF1-GT-117-091317","EPA 537 Modified","RES","SC39221-02","ESAI","754-91-6","PFOSA","0","ng/l","3","MDL","TARGET","9","RDL","YES","-99","-99","<"

"TF1-GT-117-091317","EPA 537 Modified","RES","SC39221-02","ESAI","754-91-6L","13C8-PFOA","17","ng/l","-99","NA","SUR","35","-99","NA","YES","50","-99"

"TF1-GT-117-091317","Mod EPA 3C/SOP RSK-175","RES","SC39221-02","ESAI","74-82-8","Methane","89.0","g/l","2.16","MDL","TARGET","2.20","RDL","YES","-99","10","10","2.20"

"TF1-GT-117-091317","Mod EPA 3C/SOP RSK-175","RES","SC39221-02","ESAI","74-84-0","Ethane","5.00","g/l","U","3.48","MDL","TARGET","5.00","RDL","YES","-99","10","10","5.00"

"TF1-GT-117-091317","SM18-22 5210B","RES","SC39221-02","ESAI","NA","Biochemical Oxygen Demand (5-day)","2.97","mg/l","BOD4, U","2.74","MDL","TARGET","3.00","RDL","YES","-99","300","300","2.97"

"TF1-GT-117-091317","SM2320B (97, 11)","RES","SC39221-02","ESAI","NA","Total Alkalinity","54.4","mg/l CaCO3","0.524","MDL","TARGET","2.00","RDL","YES","-99","100","50","1.50"

"TF1-GT-117-091317","SM5310B (00, 11)","RES","SC39221-02","ESAI","NA","Total Organic Carbon","3.22","mg/l","0.238","MDL","TARGET","1.00","RDL","YES","-99","40","40","0.500"

"TF1-GT-117-091317","SW846 6010C","RES","SC39221-02","ESAI","7429-90-5","Aluminum","0.0966","mg/l","0.0206","MDL","TARGET","0.0500","RDL","YES","-99","50","50","0.0500"

"TF1-GT-117-091317","SW846 6010C","RES","SC39221-02","ESAI","7439-89-6","Iron","33.2","mg/l","R06","0.0089","MDL","TARGET","0.0800","RDL","YES","-99","50","50","0.0300"

"TF1-GT-117-091317","SW846 6010C","RES","SC39221-02","ESAI","7439-95-4","Magnesium","2.82","mg/l","0.0088","MDL","TARGET","0.0200","RDL","YES","-99","50","50","0.0100"

"TF1-GT-117-091317","SW846 6010C","RES","SC39221-02","ESAI","7440-09-7","Potassium","2.30","mg/l","0.120","MDL","TARGET","1.00","RDL","YES","-99","50","50","0.250"











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"TF1-GT-117-091317","SW846 6010C","RES","SC39221-02","ESAI","7440-70-2","Calcium","27.7","mg/l","0.0142","MDL","TARGET","0.200","RDL","YES","-99","50","50","0.0500"

"TF1-GT-117-091317","SW-846 6020A","RES","SC39221-02","ESAI","7439-92-1","Lead","0.0012","mg/l","Ja","0.00011","MDL","TARGET","0.0020","RDL","YES","-99","-99"

"TF1-GT-117-091317","SW-846 6020A","RES","SC39221-02","ESAI","7439-96-5","Manganese","1.48","mg/l","0.00090","MDL","TARGET","0.0040","RDL","YES","-99","-99"

"TF1-GT-117-091317","SW-846 6020A","RES","SC39221-02","ESAI","7439-98-7","Molybdenum","0.0030","mg/l","0.00025","MDL","TARGET","0.0010","RDL","YES","-99","-99"

"TF1-GT-117-091317","SW-846 6020A","RES","SC39221-02","ESAI","7440-02-0","Nickel","0.0105","mg/l","0.0010","MDL","TARGET","0.0040","RDL","YES","-99",,,,,"-99",
"TF1-GT-117-091317","SW-846 6020A","RES","SC39221-02","ESAI","7440-22-4","Silver","0","mg/l","0.00015","MDL","TARGET","0.0010","RDL","YES","-99",,,,,"-99",<"
"TF1-GT-117-091317","SW-846 6020A","RES","SC39221-02","ESAI","7440-28-0","Thallium","0","mg/l","0.00012","MDL","TARGET","0.0010","RDL","YES","-99",,,,,"-99",<"
"TF1-GT-117-091317","SW-846 6020A","RES","SC39221-02","ESAI","7440-36-0","Antimony","0","mg/l","0.00045","MDL","TARGET","0.0020","RDL","YES","-99",,,,,"-99",<"
"TF1-GT-117-091317","SW-846 6020A","RES","SC39221-02","ESAI","7440-38-2","Arsenic","0.0453","mg/l","0.00072","MDL","TARGET","0.0040","RDL","YES","-99",,,,,"-99",
"TF1-GT-117-091317","SW-846 6020A","RES","SC39221-02","ESAI","7440-39-3","Barium","0.0081","mg/l","0.00072","MDL","TARGET","0.0040","RDL","YES","-99",,,,,"-99",
"TF1-GT-117-091317","SW-846 6020A","RES","SC39221-02","ESAI","7440-41-7","Beryllium","0","mg/l","0.000071","MDL","TARGET","0.0010","RDL","YES","-99",,,,,"-99",<"
"TF1-GT-117-091317","SW-846 6020A","RES","SC39221-02","ESAI","7440-43-9","Cadmium","0","mg/l","0.00015","MDL","TARGET","0.0010","RDL","YES","-99",,,,,"-99",<"
"TF1-GT-117-091317","SW-846 6020A","RES","SC39221-02","ESAI","7440-47-3","Chromium","0.00094","mg/l","Ja","0.00087","MDL","TARGET","0.0040","RDL","YES","-99",,,,,"-99",
"TF1-GT-117-091317","SW-846 6020A","RES","SC39221-02","ESAI","7440-48-4","Cobalt","0.0358","mg/l","0.00016","MDL","TARGET","0.0010","RDL","YES","-99",,,,,"-99",
"TF1-GT-117-091317","SW-846 6020A","RES","SC39221-02","ESAI","7440-50-8","Copper","0.0044","mg/l","0.00054","MDL","TARGET","0.0040","RDL","YES","-99",,,,,"-99",
"TF1-GT-117-091317","SW-846 6020A","RES","SC39221-02","ESAI","7440-62-2","Vanadium","0.00025","mg/l","Ja","0.00021","MDL","TARGET","0.0010","RDL","YES","-99",,,,,"-99",
"TF1-GT-117-091317","SW-846 6020A","RES","SC39221-02","ESAI","7440-66-6","Zinc","0.0062","mg/l","Ja","0.0039","MDL","TARGET","0.0300","RDL","YES","-99",,,,,"-99",
"TF1-GT-117-091317","SW-846 6020A","RES","SC39221-02","ESAI","7782-49-2","Selenium","0","mg/l","0.00050","MDL","TARGET","0.0040","RDL","YES","-99",,,,,"-99",<"
"TF1-GT-117-091317","SW-846 8015B","RES","SC39221-02","ESAI","108-90-7","Chlorobenzene","0.0079","mg/l","-99","NA","SUR","64","-99","NA","YES","0.012",,,,,"-99",
"TF1-GT-117-091317","SW-846 8015B","RES","SC39221-02","ESAI","84-15-1","Orthoterphenyl","0.012","mg/l","-99","NA","SUR","98","-99","NA","YES","0.012",,,,,"-99",
"TF1-GT-117-091317","SW-846 8015B","RES","SC39221-02","ESAI","PHCC8C44","C8-C44","0.31","mg/l","0.051","MDL","TARGET","0.20","RDL","YES","-99",,,,,"-99",
"TF1-GT-117-091317","SW-846 8015B","RES","SC39221-02","ESAI","PHCE","Total TPH","0.31","mg/l","0.051","MDL","TARGET","0.20","RDL","YES","-99",,,,,"-99",
"TF1-GT-117-091317","SW846 8081B","RES","SC39221-02","ESAI","1024-57-3","Heptachlor epoxide","0.020","g/l","U","0.015","MDL","TARGET","0.020","RDL","YES","-99",,"1000","10","0.020",
"TF1-GT-117-091317","SW846 8081B","RES","SC39221-02","ESAI","1031-07-8","Endosulfan sulfate","0.020","g/l","U","0.020","MDL","TARGET","0.040","RDL","YES","-99",,"1000","10","0.020",
"TF1-GT-117-091317","SW846 8081B","RES","SC39221-02","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl (Sr)","0.162","g/l","-99","NA","SUR","81","-99","NA","YES","0.200",,"1000","10","-99",
"TF1-GT-117-091317","SW846 8081B","RES","SC39221-02","ESAI","15972-60-8","Alachlor","0.020","g/l","U","0.019","MDL","TARGET","0.020","RDL","YES","-99",,"1000","10","0.020",
"TF1-GT-117-091317","SW846 8081B","RES","SC39221-02","ESAI","2051-24-3","Decachlorobiphenyl (Sr)","0.156","g/l","-99","NA","SUR","78","-99","NA","YES","0.200",,"1000","10","-99",
"TF1-GT-117-091317","SW846 8081B","RES","SC39221-02","ESAI","309-00-2","Aldrin","0.020","g/l","U","0.016","MDL","TARGET","0.020","RDL","YES","-99",,"1000","10","0.020",
"TF1-GT-117-091317","SW846 8081B","RES","SC39221-02","ESAI","319-84-6","alpha-BHC","0.020","g/l","U","0.012","MDL","TARGET","0.020","RDL","YES","-99",,"1000","10","0.020",
"TF1-GT-117-091317","SW846 8081B","RES","SC39221-02","ESAI","319-85-7","beta-BHC","0.020","g/l","U","0.015","MDL","TARGET","0.020","RDL","YES","-99",,"1000","10","0.020",
"TF1-GT-117-091317","SW846 8081B","RES","SC39221-02","ESAI","319-86-8","delta-BHC","0.020","g/l","U","0.015","MDL","TARGET","0.020","RDL","YES","-99",,"1000","10","0.020",
"TF1-GT-117-091317","SW846 8081B","RES","SC39221-02","ESAI","33213-65-9","Endosulfan II","0.020","g/l","U","0.020","MDL","TARGET","0.040","RDL","YES","-99",,"1000","10","0.020",
"TF1-GT-117-091317","SW846 8081B","RES","SC39221-02","ESAI","50-29-3","4,4'-DDT

(p,p')", "0.030", "g/l", "U", "0.018", "MDL", "TARGET", "0.040", "RDL", "YES", "-99", "1000", "10", "0.030",
"TF1-GT-117-091317", "SW846 8081B", "RES", "SC39221-02", "ESAI", "5103-71-9", "alpha-
Chlordane", "0.020", "g/l", "U", "0.015", "MDL", "TARGET", "0.020", "RDL", "YES", "-99", "1000", "10", "0.020",
"TF1-GT-117-091317", "SW846 8081B", "RES", "SC39221-02", "ESAI", "5103-74-2", "Chlordane (gamma)
(trans)", "0.020", "g/l", "U", "0.016", "MDL", "TARGET", "0.020", "RDL", "YES", "-99", "1000", "10", "0.020",
"TF1-GT-117-091317", "SW846 8081B", "RES", "SC39221-02", "ESAI", "53494-70-5", "Endrin
ketone", "0.020", "g/l", "U", "0.017", "MDL", "TARGET", "0.040", "RDL", "YES", "-99", "1000", "10", "0.020",
"TF1-GT-117-091317", "SW846 8081B", "RES", "SC39221-02", "ESAI", "57-74-
9", "Chlordane", "0.065", "g/l", "U", "0.051", "MDL", "TARGET", "0.065", "RDL", "YES", "-99", "1000", "10", "0.065",
"TF1-GT-117-091317", "SW846 8081B", "RES", "SC39221-02", "ESAI", "58-89-9", "gamma-BHC
(Lindane)", "0.020", "g/l", "U", "0.017", "MDL", "TARGET", "0.020", "RDL", "YES", "-99", "1000", "10", "0.020",
"TF1-GT-117-091317", "SW846 8081B", "RES", "SC39221-02", "ESAI", "60-57-
1", "Dieldrin", "0.020", "g/l", "U", "0.017", "MDL", "TARGET", "0.020", "RDL", "YES", "-99", "1000", "10", "0.020",
"TF1-GT-117-091317", "SW846 8081B", "RES", "SC39221-02", "ESAI", "72-20-
8", "Endrin", "0.020", "g/l", "U", "0.019", "MDL", "TARGET", "0.040", "RDL", "YES", "-99", "1000", "10", "0.020",
"TF1-GT-117-091317", "SW846 8081B", "RES", "SC39221-02", "ESAI", "72-43-
5", "Methoxychlor", "0.020", "g/l", "U", "0.018", "MDL", "TARGET", "0.040", "RDL", "YES", "-99", "1000", "10", "0.
020",
"TF1-GT-117-091317", "SW846 8081B", "RES", "SC39221-02", "ESAI", "72-54-8", "4,4'-DDD
(p,p')", "0.020", "g/l", "U", "0.019", "MDL", "TARGET", "0.040", "RDL", "YES", "-99", "1000", "10", "0.020",
"TF1-GT-117-091317", "SW846 8081B", "RES", "SC39221-02", "ESAI", "72-55-9", "4,4'-DDE
(p,p')", "0.020", "g/l", "U", "0.018", "MDL", "TARGET", "0.020", "RDL", "YES", "-99", "1000", "10", "0.020",
"TF1-GT-117-091317", "SW846 8081B", "RES", "SC39221-02", "ESAI", "7421-93-4", "Endrin
aldehyde", "0.020", "g/l", "U", "0.019", "MDL", "TARGET", "0.040", "RDL", "YES", "-99", "1000", "10", "0.020",
"TF1-GT-117-091317", "SW846 8081B", "RES", "SC39221-02", "ESAI", "76-44-
8", "Heptachlor", "0.020", "g/l", "U", "0.020", "MDL", "TARGET", "0.020", "RDL", "YES", "-99", "1000", "10", "0.02
0",
"TF1-GT-117-091317", "SW846 8081B", "RES", "SC39221-02", "ESAI", "8001-35-
2", "Toxaphene", "0.500", "g/l", "U", "0.328", "MDL", "TARGET", "0.500", "RDL", "YES", "-99", "1000", "10", "0.50
0",
"TF1-GT-117-091317", "SW846 8081B", "RES", "SC39221-02", "ESAI", "877-09-8", "2,4,5,6-TC-M-Xylene
(IS)", "0.020", "g/ml", "-99", "NA", "ISTD", "58", "-99", "NA", "YES", "10.0", "1000", "10", "-99",
"TF1-GT-117-091317", "SW846 8081B", "RES", "SC39221-02", "ESAI", "959-98-8", "Endosulfan
I", "0.020", "g/l", "U", "0.016", "MDL", "TARGET", "0.020", "RDL", "YES", "-99", "1000", "10", "0.020",
"TF1-GT-117-091317", "SW846 8260C", "RES", "SC39221-02", "ESAI", "100-41-
4", "Ethylbenzene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-GT-117-091317", "SW846 8260C", "RES", "SC39221-02", "ESAI", "100-42-
5", "Styrene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-117-091317", "SW846 8260C", "RES", "SC39221-02", "ESAI", "10061-01-5", "cis-1,3-
Dichloropropene", "0.5", "g/l", "U", "0.4", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-GT-117-091317", "SW846 8260C", "RES", "SC39221-02", "ESAI", "10061-02-6", "trans-1,3-
Dichloropropene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-GT-117-091317", "SW846 8260C", "RES", "SC39221-02", "ESAI", "106-46-7", "1,4-
Dichlorobenzene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-GT-117-091317", "SW846 8260C", "RES", "SC39221-02", "ESAI", "106-93-4", "1,2-Dibromoethane
(EDB)", "0.5", "g/l", "U", "0.2", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-GT-117-091317", "SW846 8260C", "RES", "SC39221-02", "ESAI", "107-06-2", "1,2-
Dichloroethane", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-117-091317", "SW846 8260C", "RES", "SC39221-02", "ESAI", "108-10-1", "4-Methyl-2-pentanone
(MIBK)", "2.0", "g/l", "U", "0.5", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-GT-117-091317", "SW846 8260C", "RES", "SC39221-02", "ESAI", "108-87-
2", "Methylcyclohexane", "2.0", "g/l", "U", "0.7", "MDL", "TARGET", "5.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-GT-117-091317", "SW846 8260C", "RES", "SC39221-02", "ESAI", "108-88-
3", "Toluene", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-117-091317", "SW846 8260C", "RES", "SC39221-02", "ESAI", "108-90-
7", "Chlorobenzene", "0.5", "g/l", "U", "0.2", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",

"TF1-GT-117-091317","SW846 8260C","RES","SC39221-02","ESAI","110-82-7","Cyclohexane","2.0","g/l","U","0.8","MDL","TARGET","5.0","RDL","YES","-99","5","5","2.0",
"TF1-GT-117-091317","SW846 8260C","RES","SC39221-02","ESAI","120-82-1","1,2,4-Trichlorobenzene","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-117-091317","SW846 8260C","RES","SC39221-02","ESAI","124-48-1","Dibromochloromethane","0.5","g/l","U","0.3","MDL","TARGET","0.5","RDL","YES","-99","5","5","0.5",
"TF1-GT-117-091317","SW846 8260C","RES","SC39221-02","ESAI","127-18-4","Tetrachloroethene","1.0","g/l","U","0.6","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-117-091317","SW846 8260C","RES","SC39221-02","ESAI","156-59-2","cis-1,2-Dichloroethene","0.5","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-GT-117-091317","SW846 8260C","RES","SC39221-02","ESAI","156-60-5","trans-1,2-Dichloroethene","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-117-091317","SW846 8260C","RES","SC39221-02","ESAI","1634-04-4","Methyl tert-butyl ether","0.5","g/l","U","0.2","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-GT-117-091317","SW846 8260C","RES","SC39221-02","ESAI","17060-07-0","1,2-Dichloroethane-d4","51.2","g/l","-99","NA","SUR","102","-99","NA","YES","50.0","5","5","-99",
"TF1-GT-117-091317","SW846 8260C","RES","SC39221-02","ESAI","179601-23-1","m,p-Xylene","1.0","g/l","U","0.4","MDL","TARGET","2.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-117-091317","SW846 8260C","RES","SC39221-02","ESAI","1868-53-7","Dibromofluoromethane","49.0","g/l","-99","NA","SUR","98","-99","NA","YES","50.0","5","5","-99",
"TF1-GT-117-091317","SW846 8260C","RES","SC39221-02","ESAI","2037-26-5","Toluene-d8","51.5","g/l","-99","NA","SUR","103","-99","NA","YES","50.0","5","5","-99",
"TF1-GT-117-091317","SW846 8260C","RES","SC39221-02","ESAI","3114-55-4","Chlorobenzene-d5","50.0","g/l","-99","NA","ISTD","103","-99","NA","YES","50.0","5","5","-99",
"TF1-GT-117-091317","SW846 8260C","RES","SC39221-02","ESAI","3855-82-1","1,4-Dichlorobenzene-d4","50.0","g/l","-99","NA","ISTD","85","-99","NA","YES","50.0","5","5","-99",
"TF1-GT-117-091317","SW846 8260C","RES","SC39221-02","ESAI","460-00-4","4-Bromofluorobenzene","45.7","g/l","-99","NA","SUR","91","-99","NA","YES","50.0","5","5","-99",
"TF1-GT-117-091317","SW846 8260C","RES","SC39221-02","ESAI","462-06-6","Fluorobenzene","50.0","g/l","-99","NA","ISTD","102","-99","NA","YES","50.0","5","5","-99",
"TF1-GT-117-091317","SW846 8260C","RES","SC39221-02","ESAI","541-73-1","1,3-Dichlorobenzene","0.5","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-GT-117-091317","SW846 8260C","RES","SC39221-02","ESAI","56-23-5","Carbon tetrachloride","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-117-091317","SW846 8260C","RES","SC39221-02","ESAI","591-78-6","2-Hexanone (MBK)","2.0","g/l","U","0.5","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-GT-117-091317","SW846 8260C","RES","SC39221-02","ESAI","67-64-1","Acetone","2.0","g/l","U","0.8","MDL","TARGET","10.0","RDL","YES","-99","5","5","2.0",
"TF1-GT-117-091317","SW846 8260C","RES","SC39221-02","ESAI","67-66-3","Chloroform","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-117-091317","SW846 8260C","RES","SC39221-02","ESAI","71-43-2","Benzene","0.5","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-GT-117-091317","SW846 8260C","RES","SC39221-02","ESAI","71-55-6","1,1,1-Trichloroethane","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-117-091317","SW846 8260C","RES","SC39221-02","ESAI","74-83-9","Bromomethane","2.0","g/l","U","0.9","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-GT-117-091317","SW846 8260C","RES","SC39221-02","ESAI","74-87-3","Chloromethane","1.0","g/l","U","0.4","MDL","TARGET","2.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-117-091317","SW846 8260C","RES","SC39221-02","ESAI","74-97-5","Bromochloromethane","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-117-091317","SW846 8260C","RES","SC39221-02","ESAI","75-00-3","Chloroethane","2.0","g/l","U","0.6","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-GT-117-091317","SW846 8260C","RES","SC39221-02","ESAI","75-01-4","Vinyl chloride","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-117-091317","SW846 8260C","RES","SC39221-02","ESAI","75-09-2","Methylene chloride","2.0","g/l","U","0.7","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-GT-117-091317","SW846 8260C","RES","SC39221-02","ESAI","75-15-0","Carbon

disulfide", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-117-091317", "SW846 8260C", "RES", "SC39221-02", "ESAI", "75-25-
2", "Bromoform", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-117-091317", "SW846 8260C", "RES", "SC39221-02", "ESAI", "75-27-
4", "Bromodichloromethane", "0.5", "g/l", "U", "0.4", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-GT-117-091317", "SW846 8260C", "RES", "SC39221-02", "ESAI", "75-34-3", "1,1-
Dichloroethane", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-117-091317", "SW846 8260C", "RES", "SC39221-02", "ESAI", "75-35-4", "1,1-
Dichloroethene", "1.0", "g/l", "U", "0.7", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-117-091317", "SW846 8260C", "RES", "SC39221-02", "ESAI", "75-69-4", "Trichlorofluoromethane (Freon
11)", "1.0", "g/l", "U", "0.5", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-117-091317", "SW846 8260C", "RES", "SC39221-02", "ESAI", "75-71-8", "Dichlorodifluoromethane
(Freon12)", "2.0", "g/l", "U", "0.6", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-GT-117-091317", "SW846 8260C", "RES", "SC39221-02", "ESAI", "76-13-1", "1,1,2-Trichlorotrifluoroethane
(Freon 113)", "1.0", "g/l", "U", "0.5", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-117-091317", "SW846 8260C", "RES", "SC39221-02", "ESAI", "78-87-5", "1,2-
Dichloropropane", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-117-091317", "SW846 8260C", "RES", "SC39221-02", "ESAI", "78-93-3", "2-Butanone
(MEK)", "2.0", "g/l", "U", "1.1", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-GT-117-091317", "SW846 8260C", "RES", "SC39221-02", "ESAI", "79-00-5", "1,1,2-
Trichloroethane", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-GT-117-091317", "SW846 8260C", "RES", "SC39221-02", "ESAI", "79-01-
6", "Trichloroethene", "1.0", "g/l", "U", "0.5", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-117-091317", "SW846 8260C", "RES", "SC39221-02", "ESAI", "79-20-9", "Methyl
acetate", "2.0", "g/l", "U", "0.6", "MDL", "TARGET", "5.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-GT-117-091317", "SW846 8260C", "RES", "SC39221-02", "ESAI", "79-34-5", "1,1,2,2-
Tetrachloroethane", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-GT-117-091317", "SW846 8260C", "RES", "SC39221-02", "ESAI", "87-61-6", "1,2,3-
Trichlorobenzene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-117-091317", "SW846 8260C", "RES", "SC39221-02", "ESAI", "95-47-6", "o-
Xylene", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-117-091317", "SW846 8260C", "RES", "SC39221-02", "ESAI", "95-50-1", "1,2-
Dichlorobenzene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-GT-117-091317", "SW846 8260C", "RES", "SC39221-02", "ESAI", "96-12-8", "1,2-Dibromo-3-
chloropropane", "2.0", "g/l", "U", "0.9", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-GT-117-091317", "SW846 8260C", "RES", "SC39221-02", "ESAI", "98-82-
8", "Isopropylbenzene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-117-091317", "SW846 8270D", "RES", "SC39221-02", "ESAI", "1146-65-2", "Naphthalene-
d8", "40.0", "g/ml", "-99", "NA", "ISTD", "88", "-99", "NA", "YES", "40.0", "980", "1", "-99",
"TF1-GT-117-091317", "SW846 8270D", "RES", "SC39221-02", "ESAI", "120-12-
7", "Anthracene", "1.02", "g/l", "U", "0.620", "MDL", "TARGET", "5.10", "RDL", "YES", "-99", "980", "1", "1.02",
"TF1-GT-117-091317", "SW846 8270D", "RES", "SC39221-02", "ESAI", "129-00-
0", "Pyrene", "1.02", "g/l", "U", "0.622", "MDL", "TARGET", "5.10", "RDL", "YES", "-99", "980", "1", "1.02",
"TF1-GT-117-091317", "SW846 8270D", "RES", "SC39221-02", "ESAI", "15067-26-2", "Acenaphthene-
d10", "40.0", "g/ml", "-99", "NA", "ISTD", "85", "-99", "NA", "YES", "40.0", "980", "1", "-99",
"TF1-GT-117-091317", "SW846 8270D", "RES", "SC39221-02", "ESAI", "1517-22-2", "Phenanthrene-
d10", "40.0", "g/ml", "-99", "NA", "ISTD", "83", "-99", "NA", "YES", "40.0", "980", "1", "-99",
"TF1-GT-117-091317", "SW846 8270D", "RES", "SC39221-02", "ESAI", "1520-96-3", "Perylene-
d12", "40.0", "g/ml", "-99", "NA", "ISTD", "93", "-99", "NA", "YES", "40.0", "980", "1", "-99",
"TF1-GT-117-091317", "SW846 8270D", "RES", "SC39221-02", "ESAI", "1718-51-0", "Terphenyl-
dl4", "33.8", "g/l", "-99", "NA", "SUR", "66", "-99", "NA", "YES", "51.0", "980", "1", "-99",
"TF1-GT-117-091317", "SW846 8270D", "RES", "SC39221-02", "ESAI", "1719-03-5", "Chrysene-
d12", "40.0", "g/ml", "-99", "NA", "ISTD", "86", "-99", "NA", "YES", "40.0", "980", "1", "-99",
"TF1-GT-117-091317", "SW846 8270D", "RES", "SC39221-02", "ESAI", "191-24-2", "Benzo (g,h,i)
perylene", "1.02", "g/l", "U", "0.541", "MDL", "TARGET", "5.10", "RDL", "YES", "-99", "980", "1", "1.02",
"TF1-GT-117-091317", "SW846 8270D", "RES", "SC39221-02", "ESAI", "193-39-5", "Indeno (1,2,3-cd)
pyrene", "1.02", "g/l", "U", "0.592", "MDL", "TARGET", "5.10", "RDL", "YES", "-99", "980", "1", "1.02",

"TF1-GT-117-091317","SW846 8270D","RES","SC39221-02","ESAI","205-99-2","Benzo (b) fluoranthene","1.02","g/l","U","0.446","MDL","TARGET","5.10","RDL","YES","-99","980","1","1.02",
"TF1-GT-117-091317","SW846 8270D","RES","SC39221-02","ESAI","206-44-0","Fluoranthene","1.02","g/l","U","0.651","MDL","TARGET","5.10","RDL","YES","-99","980","1","1.02",
"TF1-GT-117-091317","SW846 8270D","RES","SC39221-02","ESAI","207-08-9","Benzo (k) fluoranthene","1.02","g/l","U","0.490","MDL","TARGET","5.10","RDL","YES","-99","980","1","1.02",
"TF1-GT-117-091317","SW846 8270D","RES","SC39221-02","ESAI","208-96-8","Acenaphthylene","1.02","g/l","U","0.697","MDL","TARGET","5.10","RDL","YES","-99","980","1","1.02",
"TF1-GT-117-091317","SW846 8270D","RES","SC39221-02","ESAI","218-01-9","Chrysene","1.02","g/l","U","0.543","MDL","TARGET","5.10","RDL","YES","-99","980","1","1.02",
"TF1-GT-117-091317","SW846 8270D","RES","SC39221-02","ESAI","321-60-8","2-Fluorobiphenyl","27.2","g/l","-99","NA","SUR","53","-99","NA","YES","51.0","980","1","-99",
"TF1-GT-117-091317","SW846 8270D","RES","SC39221-02","ESAI","4165-60-0","Nitrobenzene-d5","26.3","g/l","-99","NA","SUR","52","-99","NA","YES","51.0","980","1","-99",
"TF1-GT-117-091317","SW846 8270D","RES","SC39221-02","ESAI","50-32-8","Benzo (a) pyrene","1.02","g/l","U","0.573","MDL","TARGET","5.10","RDL","YES","-99","980","1","1.02",
"TF1-GT-117-091317","SW846 8270D","RES","SC39221-02","ESAI","53-70-3","Dibenzo (a,h) anthracene","1.02","g/l","U","0.459","MDL","TARGET","5.10","RDL","YES","-99","980","1","1.02",
"TF1-GT-117-091317","SW846 8270D","RES","SC39221-02","ESAI","56-55-3","Benzo (a) anthracene","1.02","g/l","U","0.547","MDL","TARGET","5.10","RDL","YES","-99","980","1","1.02",
"TF1-GT-117-091317","SW846 8270D","RES","SC39221-02","ESAI","83-32-9","Acenaphthene","1.02","g/l","U","0.705","MDL","TARGET","5.10","RDL","YES","-99","980","1","1.02",
"TF1-GT-117-091317","SW846 8270D","RES","SC39221-02","ESAI","85-01-8","Phenanthrene","1.02","g/l","U","0.598","MDL","TARGET","5.10","RDL","YES","-99","980","1","1.02",
"TF1-GT-117-091317","SW846 8270D","RES","SC39221-02","ESAI","86-73-7","Fluorene","1.02","g/l","U","0.624","MDL","TARGET","5.10","RDL","YES","-99","980","1","1.02",
"TF1-GT-117-091317","SW846 8270D","RES","SC39221-02","ESAI","90-12-0","1-Methylnaphthalene","1.02","g/l","U","0.748","MDL","TARGET","5.10","RDL","YES","-99","980","1","1.02",
"TF1-GT-117-091317","SW846 8270D","RES","SC39221-02","ESAI","91-20-3","Naphthalene","1.02","g/l","U","0.699","MDL","TARGET","5.10","RDL","YES","-99","980","1","1.02",
"TF1-GT-117-091317","SW846 8270D","RES","SC39221-02","ESAI","91-57-6","2-Methylnaphthalene","1.02","g/l","U","0.586","MDL","TARGET","5.10","RDL","YES","-99","980","1","1.02",
"TF1-GT-125-091317","EPA 200/6000 methods","RES","SC39221-09","ESAI","NA","Preservation","0","N/A","-99","NA","TARGET","-99","NA","YES","-99","1","1","-99","Field Preserved; pH<2 confirmed",
"TF1-GT-125-091317","EPA 245.1/7470A","RES","SC39221-09","ESAI","7439-97-6","Mercury","0.00020","mg/l","U","0.00013","MDL","TARGET","0.00020","RDL","YES","-99","20","20","0.00020",
"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","1763-23-1","Perfluorooctanesulfonate","0","ng/l","2","MDL","TARGET","6","RDL","YES","-99","-99","<",
"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","1763-23-1L","13C8-PFOS","32","ng/l","-99","NA","SUR","66","-99","NA","YES","48","-99",
"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","2058-94-8","Perfluoroundecanoic acid","0","ng/l","1","MDL","TARGET","3","RDL","YES","-99","-99","<",
"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","2058-94-8L","13C7-PFUnDA","40","ng/l","-99","NA","SUR","79","-99","NA","YES","50","-99",
"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","2706-90-3","Perfluoropentanoic Acid","6","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99",
"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","2706-90-3L","13C5-PFPeA","41","ng/l","-99","NA","SUR","83","-99","NA","YES","50","-99",
"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","307-24-4","Perfluorohexanoic acid","6","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99",
"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","307-24-4L","13C5-PFHxA","43","ng/l","-99","NA","SUR","86","-99","NA","YES","50","-99",

"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","307-55-1","Perfluorododecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<"

"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","307-55-1L","13C2-PFDoDA","34","ng/l","-99","NA","SUR","68","-99","NA","YES","50","-99",

"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","335-67-1","Perfluorooctanoic acid","5","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99",

"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","335-67-1L","13C8-PFOA","37","ng/l","-99","NA","SUR","74","-99","NA","YES","50","-99",

"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","335-76-2","Perfluorodecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<"

"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","335-76-2L","13C6-PFDA","37","ng/l","-99","NA","SUR","75","-99","NA","YES","50","-99",

"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","335-77-3","Perfluorodecanesulfonate","0","ng/l","2","MDL","TARGET","6","RDL","YES","-99","-99","<"

"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","355-46-4","Perfluorohexanesulfonate","7","ng/l","1","MDL","TARGET","3","RDL","YES","-99","-99",

"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","355-46-4L","13C3-PFHxS","39","ng/l","-99","NA","SUR","83","-99","NA","YES","47","-99",

"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","375-22-4","Perfluorobutanoic Acid","6","ng/l","Ja","3","MDL","TARGET","10","RDL","YES","-99","-99",

"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","375-22-4L","13C4-PFBA","38","ng/l","-99","NA","SUR","77","-99","NA","YES","50","-99",

"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","375-73-5","Perfluorobutanesulfonate","2","ng/l","Ja","0.8","MDL","TARGET","3","RDL","YES","-99","-99",

"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","375-73-5L","13C3-PFBS","42","ng/l","-99","NA","SUR","90","-99","NA","YES","46","-99",

"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","375-85-9","Perfluoroheptanoic acid","3","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99",

"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","375-85-9L","13C4-PFHpA","38","ng/l","-99","NA","SUR","76","-99","NA","YES","50","-99",

"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","375-92-8","Perfluoroheptanesulfonate","0","ng/l","2","MDL","TARGET","6","RDL","YES","-99","-99","<"

"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","375-95-1","Perfluorononanoic acid","0","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99","<"

"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","375-95-1L","13C9-PFNA","36","ng/l","-99","NA","SUR","72","-99","NA","YES","50","-99",

"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","376-06-7","Perfluorotetradecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<"

"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","376-06-7L","13C2-PFTeDA","32","ng/l","-99","NA","SUR","65","-99","NA","YES","50","-99",

"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","72629-94-8","Perfluorotridecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<"

"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","754-91-6","PFOSA","0","ng/l","3","MDL","TARGET","9","RDL","YES","-99","-99","<"

"TF1-GT-125-091317","EPA 537 Modified","RES","SC39221-09","ESAI","754-91-6L","13C8-PFOA","32","ng/l","-99","NA","SUR","64","-99","NA","YES","50","-99",

"TF1-GT-125-091317","Mod EPA 3C/SOP RSK-175","RES","SC39221-09","ESAI","74-82-8","Methane","93.0","g/l","2.16","MDL","TARGET","2.20","RDL","YES","-99","10","10","2.20",

"TF1-GT-125-091317","Mod EPA 3C/SOP RSK-175","RES","SC39221-09","ESAI","74-84-0","Ethane","22.0","g/l","3.48","MDL","TARGET","5.00","RDL","YES","-99","10","10","5.00",

"TF1-GT-125-091317","SM5310B (00, 11)","RES","SC39221-09","ESAI","NA","Total Organic Carbon","1.64","mg/l","0.238","MDL","TARGET","1.00","RDL","YES","-99","40","40","0.500",

"TF1-GT-125-091317","SW846 6010C","RES","SC39221-09","ESAI","7429-90-5","Aluminum","0.0500","mg/l","U","0.0206","MDL","TARGET","0.0500","RDL","YES","-99","50","50","0.0500",

"TF1-GT-125-091317","SW846 6010C","RES","SC39221-09","ESAI","7439-89-6","Iron","2.87","mg/l","R06","0.0089","MDL","TARGET","0.0800","RDL","YES","-99","50","50","0.0300",

"TF1-GT-125-091317","SW846 6010C","RES","SC39221-09","ESAI","7439-95-4","Magnesium","17.1","mg/l","0.0088","MDL","TARGET","0.0200","RDL","YES","-99","50","50","0.0100",
"TF1-GT-125-091317","SW846 6010C","RES","SC39221-09","ESAI","7440-09-7","Potassium","1.72","mg/l","0.120","MDL","TARGET","1.00","RDL","YES","-99","50","50","0.250",
"TF1-GT-125-091317","SW846 6010C","RES","SC39221-09","ESAI","7440-23-5","Sodium","5.55","mg/l","0.0785","MDL","TARGET","0.500","RDL","YES","-99","50","50","0.250",
"TF1-GT-125-091317","SW846 6010C","RES","SC39221-09","ESAI","7440-70-2","Calcium","32.8","mg/l","0.0142","MDL","TARGET","0.200","RDL","YES","-99","50","50","0.0500",
"TF1-GT-125-091317","SW-846 6020A","DL5","SC39221-09","ESAI","7439-96-5","Manganese","7.56","mg/l","0.0045","MDL","TARGET","0.0200","RDL","YES","-99","-99",
"TF1-GT-125-091317","SW-846 6020A","RES","SC39221-09","ESAI","7439-92-1","Lead","0","mg/l","0.00011","MDL","TARGET","0.0020","RDL","YES","-99","-99","<",
"TF1-GT-125-091317","SW-846 6020A","RES","SC39221-09","ESAI","7439-98-7","Molybdenum","0.00055","mg/l","Ja","0.00025","MDL","TARGET","0.0010","RDL","YES","-99","-99",
"TF1-GT-125-091317","SW-846 6020A","RES","SC39221-09","ESAI","7440-02-0","Nickel","0.0022","mg/l","Ja","0.0010","MDL","TARGET","0.0040","RDL","YES","-99","-99",
"TF1-GT-125-091317","SW-846 6020A","RES","SC39221-09","ESAI","7440-22-4","Silver","0","mg/l","0.00015","MDL","TARGET","0.0010","RDL","YES","-99","-99","<",
"TF1-GT-125-091317","SW-846 6020A","RES","SC39221-09","ESAI","7440-28-0","Thallium","0","mg/l","0.00012","MDL","TARGET","0.0010","RDL","YES","-99","-99","<",
"TF1-GT-125-091317","SW-846 6020A","RES","SC39221-09","ESAI","7440-36-0","Antimony","0","mg/l","0.00045","MDL","TARGET","0.0020","RDL","YES","-99","-99","<",
"TF1-GT-125-091317","SW-846 6020A","RES","SC39221-09","ESAI","7440-38-2","Arsenic","0.0210","mg/l","0.00072","MDL","TARGET","0.0040","RDL","YES","-99","-99",
"TF1-GT-125-091317","SW-846 6020A","RES","SC39221-09","ESAI","7440-39-3","Barium","0.0051","mg/l","0.00072","MDL","TARGET","0.0040","RDL","YES","-99","-99",
"TF1-GT-125-091317","SW-846 6020A","RES","SC39221-09","ESAI","7440-41-7","Beryllium","0","mg/l","0.000071","MDL","TARGET","0.0010","RDL","YES","-99","-99","<",
"TF1-GT-125-091317","SW-846 6020A","RES","SC39221-09","ESAI","7440-43-9","Cadmium","0","mg/l","0.00015","MDL","TARGET","0.0010","RDL","YES","-99","-99","<",
"TF1-GT-125-091317","SW-846 6020A","RES","SC39221-09","ESAI","7440-47-3","Chromium","0","mg/l","0.00087","MDL","TARGET","0.0040","RDL","YES","-99","-99","<",
"TF1-GT-125-091317","SW-846 6020A","RES","SC39221-09","ESAI","7440-48-4","Cobalt","0.0158","mg/l","0.00016","MDL","TARGET","0.0010","RDL","YES","-99","-99",
"TF1-GT-125-091317","SW-846 6020A","RES","SC39221-09","ESAI","7440-50-8","Copper","0","mg/l","0.00054","MDL","TARGET","0.0040","RDL","YES","-99","-99","<",
"TF1-GT-125-091317","SW-846 6020A","RES","SC39221-09","ESAI","7440-62-2","Vanadium","0","mg/l","0.00021","MDL","TARGET","0.0010","RDL","YES","-99","-99","<",
"TF1-GT-125-091317","SW-846 6020A","RES","SC39221-09","ESAI","7440-66-6","Zinc","0","mg/l","0.0039","MDL","TARGET","0.0300","RDL","YES","-99","-99","<",
"TF1-GT-125-091317","SW-846 6020A","RES","SC39221-09","ESAI","7782-49-2","Selenium","0","mg/l","0.00050","MDL","TARGET","0.0040","RDL","YES","-99","-99","<",
"TF1-GT-125-091317","SW-846 8015B","RES","SC39221-09","ESAI","108-90-7","Chlorobenzene","0.011","mg/l","-99","NA","SUR","87","-99","NA","YES","0.012","-99",
"TF1-GT-125-091317","SW-846 8015B","RES","SC39221-09","ESAI","84-15-1","Orthoterphenyl","0.012","mg/l","-99","NA","SUR","101","-99","NA","YES","0.012","-99",
"TF1-GT-125-091317","SW-846 8015B","RES","SC39221-09","ESAI","PHCC8C44","C8-C44","0.14","mg/l","Ja","0.051","MDL","TARGET","0.20","RDL","YES","-99","-99",
"TF1-GT-125-091317","SW-846 8015B","RES","SC39221-09","ESAI","PHCE","Total TPH","0.14","mg/l","Ja","0.051","MDL","TARGET","0.20","RDL","YES","-99","-99",
"TF1-GT-125-091317","SW846 8260C","RES","SC39221-09","ESAI","100-41-4","Ethylbenzene","0.5","mg/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-GT-125-091317","SW846 8260C","RES","SC39221-09","ESAI","100-42-5","Styrene","1.0","mg/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-125-091317","SW846 8260C","RES","SC39221-09","ESAI","10061-01-5","cis-1,3-Dichloropropene","0.5","mg/l","U","0.4","MDL","TARGET","0.5","RDL","YES","-99","5","5","0.5",
"TF1-GT-125-091317","SW846 8260C","RES","SC39221-09","ESAI","10061-02-6","trans-1,3-

Dichloropropene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-GT-125-091317", "SW846 8260C", "RES", "SC39221-09", "ESAI", "106-46-7", "1,4-
Dichlorobenzene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-GT-125-091317", "SW846 8260C", "RES", "SC39221-09", "ESAI", "106-93-4", "1,2-Dibromoethane
(EDB)", "0.5", "g/l", "U", "0.2", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-GT-125-091317", "SW846 8260C", "RES", "SC39221-09", "ESAI", "107-06-2", "1,2-
Dichloroethane", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-125-091317", "SW846 8260C", "RES", "SC39221-09", "ESAI", "108-10-1", "4-Methyl-2-pentanone
(MIBK)", "2.0", "g/l", "U", "0.5", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-GT-125-091317", "SW846 8260C", "RES", "SC39221-09", "ESAI", "108-87-
2", "Methylcyclohexane", "2.0", "g/l", "U", "0.7", "MDL", "TARGET", "5.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-GT-125-091317", "SW846 8260C", "RES", "SC39221-09", "ESAI", "108-88-
3", "Toluene", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-125-091317", "SW846 8260C", "RES", "SC39221-09", "ESAI", "108-90-
7", "Chlorobenzene", "0.5", "g/l", "U", "0.2", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-GT-125-091317", "SW846 8260C", "RES", "SC39221-09", "ESAI", "110-82-
7", "Cyclohexane", "2.0", "g/l", "U", "0.8", "MDL", "TARGET", "5.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-GT-125-091317", "SW846 8260C", "RES", "SC39221-09", "ESAI", "120-82-1", "1,2,4-
Trichlorobenzene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-125-091317", "SW846 8260C", "RES", "SC39221-09", "ESAI", "124-48-
1", "Dibromochloromethane", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-GT-125-091317", "SW846 8260C", "RES", "SC39221-09", "ESAI", "127-18-
4", "Tetrachloroethene", "1.0", "g/l", "U", "0.6", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-125-091317", "SW846 8260C", "RES", "SC39221-09", "ESAI", "156-59-2", "cis-1,2-
Dichloroethene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-GT-125-091317", "SW846 8260C", "RES", "SC39221-09", "ESAI", "156-60-5", "trans-1,2-
Dichloroethene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-125-091317", "SW846 8260C", "RES", "SC39221-09", "ESAI", "1634-04-4", "Methyl tert-butyl
ether", "0.5", "g/l", "U", "0.2", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-GT-125-091317", "SW846 8260C", "RES", "SC39221-09", "ESAI", "17060-07-0", "1,2-Dichloroethane-
d4", "52.7", "g/l", "-99", "NA", "SUR", "105", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-GT-125-091317", "SW846 8260C", "RES", "SC39221-09", "ESAI", "179601-23-1", "m,p-
Xylene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-125-091317", "SW846 8260C", "RES", "SC39221-09", "ESAI", "1868-53-
7", "Dibromofluoromethane", "50.1", "g/l", "-99", "NA", "SUR", "100", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-GT-125-091317", "SW846 8260C", "RES", "SC39221-09", "ESAI", "2037-26-5", "Toluene-
d8", "48.3", "g/l", "-99", "NA", "SUR", "97", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-GT-125-091317", "SW846 8260C", "RES", "SC39221-09", "ESAI", "3114-55-4", "Chlorobenzene-
d5", "50.0", "g/l", "-99", "NA", "ISTD", "89", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-GT-125-091317", "SW846 8260C", "RES", "SC39221-09", "ESAI", "3855-82-1", "1,4-Dichlorobenzene-
d4", "50.0", "g/l", "-99", "NA", "ISTD", "78", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-GT-125-091317", "SW846 8260C", "RES", "SC39221-09", "ESAI", "460-00-4", "4-
Bromofluorobenzene", "46.7", "g/l", "-99", "NA", "SUR", "93", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-GT-125-091317", "SW846 8260C", "RES", "SC39221-09", "ESAI", "462-06-
6", "Fluorobenzene", "50.0", "g/l", "-99", "NA", "ISTD", "91", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-GT-125-091317", "SW846 8260C", "RES", "SC39221-09", "ESAI", "541-73-1", "1,3-
Dichlorobenzene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-GT-125-091317", "SW846 8260C", "RES", "SC39221-09", "ESAI", "56-23-5", "Carbon
tetrachloride", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-125-091317", "SW846 8260C", "RES", "SC39221-09", "ESAI", "591-78-6", "2-Hexanone
(MBK)", "2.0", "g/l", "U", "0.5", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-GT-125-091317", "SW846 8260C", "RES", "SC39221-09", "ESAI", "67-64-
1", "Acetone", "2.0", "g/l", "U", "0.8", "MDL", "TARGET", "10.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-GT-125-091317", "SW846 8260C", "RES", "SC39221-09", "ESAI", "67-66-
3", "Chloroform", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-125-091317", "SW846 8260C", "RES", "SC39221-09", "ESAI", "71-43-
2", "Benzene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",

"TF1-GT-125-091317","SW846 8260C","RES","SC39221-09","ESAI","71-55-6","1,1,1-Trichloroethane","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-125-091317","SW846 8260C","RES","SC39221-09","ESAI","74-83-9","Bromomethane","2.0","g/l","U","0.9","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-GT-125-091317","SW846 8260C","RES","SC39221-09","ESAI","74-87-3","Chloromethane","1.0","g/l","U","0.4","MDL","TARGET","2.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-125-091317","SW846 8260C","RES","SC39221-09","ESAI","74-97-5","Bromochloromethane","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-125-091317","SW846 8260C","RES","SC39221-09","ESAI","75-00-3","Chloroethane","2.0","g/l","U","0.6","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-GT-125-091317","SW846 8260C","RES","SC39221-09","ESAI","75-01-4","Vinyl chloride","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-125-091317","SW846 8260C","RES","SC39221-09","ESAI","75-09-2","Methylene chloride","2.0","g/l","U","0.7","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-GT-125-091317","SW846 8260C","RES","SC39221-09","ESAI","75-15-0","Carbon disulfide","1.0","g/l","U","0.4","MDL","TARGET","2.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-125-091317","SW846 8260C","RES","SC39221-09","ESAI","75-25-2","Bromoform","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-125-091317","SW846 8260C","RES","SC39221-09","ESAI","75-27-4","Bromodichloromethane","0.5","g/l","U","0.4","MDL","TARGET","0.5","RDL","YES","-99","5","5","0.5",
"TF1-GT-125-091317","SW846 8260C","RES","SC39221-09","ESAI","75-34-3","1,1-Dichloroethane","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-125-091317","SW846 8260C","RES","SC39221-09","ESAI","75-35-4","1,1-Dichloroethene","1.0","g/l","U","0.7","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-125-091317","SW846 8260C","RES","SC39221-09","ESAI","75-69-4","Trichlorofluoromethane (Freon 11)","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-125-091317","SW846 8260C","RES","SC39221-09","ESAI","75-71-8","Dichlorodifluoromethane (Freon12)","2.0","g/l","U","0.6","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-GT-125-091317","SW846 8260C","RES","SC39221-09","ESAI","76-13-1","1,1,2-Trichlorotrifluoroethane (Freon 113)","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-125-091317","SW846 8260C","RES","SC39221-09","ESAI","78-87-5","1,2-Dichloropropane","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-125-091317","SW846 8260C","RES","SC39221-09","ESAI","78-93-3","2-Butanone (MEK)","2.0","g/l","U","1.1","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-GT-125-091317","SW846 8260C","RES","SC39221-09","ESAI","79-00-5","1,1,2-Trichloroethane","0.5","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-GT-125-091317","SW846 8260C","RES","SC39221-09","ESAI","79-01-6","Trichloroethene","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-125-091317","SW846 8260C","RES","SC39221-09","ESAI","79-20-9","Methyl acetate","2.0","g/l","U","0.6","MDL","TARGET","5.0","RDL","YES","-99","5","5","2.0",
"TF1-GT-125-091317","SW846 8260C","RES","SC39221-09","ESAI","79-34-5","1,1,2,2-Tetrachloroethane","0.5","g/l","U","0.3","MDL","TARGET","0.5","RDL","YES","-99","5","5","0.5",
"TF1-GT-125-091317","SW846 8260C","RES","SC39221-09","ESAI","87-61-6","1,2,3-Trichlorobenzene","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-125-091317","SW846 8260C","RES","SC39221-09","ESAI","95-47-6","o-Xylene","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-125-091317","SW846 8260C","RES","SC39221-09","ESAI","95-50-1","1,2-Dichlorobenzene","0.5","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-GT-125-091317","SW846 8260C","RES","SC39221-09","ESAI","96-12-8","1,2-Dibromo-3-chloropropane","2.0","g/l","U","0.9","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-GT-125-091317","SW846 8260C","RES","SC39221-09","ESAI","98-82-8","Isopropylbenzene","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GZ-106-091317","EPA 300.0","RES","SC39221-01","ESAI","14797-55-8","Nitrate as N","0.080","mg/l","J","0.007","MDL","TARGET","0.100","RDL","YES","-99","5","5","0.100",
"TF1-GZ-106-091317","EPA 300.0","RES","SC39221-01","ESAI","14808-79-8","Sulfate as SO4","15.6","mg/l","J","0.798","MDL","TARGET","1.00","RDL","YES","-99","5","5","1.00",
"TF1-GZ-106-091317","EPA 300.0","RES","SC39221-01","ESAI","16887-00-

6,"Chloride","5.51","mg/l","0.0994","MDL","TARGET",,"1.00","RDL","YES",-99,,5,"5","0.100",
"TF1-GZ-106-091317","SM18-22 5210B","RES","SC39221-01","ESAI","NA","Biochemical Oxygen Demand (5-
day)","2.97","mg/l","BOD4, U","2.74","MDL","TARGET",,"3.00","RDL","YES",-99,,300,"300","2.97",
"TF1-GZ-106-091317","SM2320B (97, 11)","RES","SC39221-01","ESAI","NA","Total Alkalinity","18.8","mg/l
CaCO3",,"0.524","MDL","TARGET",,"2.00","RDL","YES",-99,,100,"50","1.50",
"TF1-GZ-106-091317","SW846 8081B","RES","SC39221-01","ESAI","1024-57-3","Heptachlor
epoxide","0.019","g/l","U","0.015","MDL","TARGET",,"0.019","RDL","YES",-99,,1040,"10","0.019",
"TF1-GZ-106-091317","SW846 8081B","RES","SC39221-01","ESAI","1031-07-8","Endosulfan
sulfate","0.019","g/l","U","0.019","MDL","TARGET",,"0.038","RDL","YES",-99,,1040,"10","0.019",
"TF1-GZ-106-091317","SW846 8081B","RES","SC39221-01","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl
(Sr)","0.128","g/l",,"-99","NA",,"SUR","67",,"-99","NA","YES","0.192",,"1040","10",,"-99",
"TF1-GZ-106-091317","SW846 8081B","RES","SC39221-01","ESAI","15972-60-
8","Alachlor","0.019","g/l","U","0.018","MDL","TARGET",,"0.019","RDL","YES",-99,,1040,"10","0.019",
"TF1-GZ-106-091317","SW846 8081B","RES","SC39221-01","ESAI","2051-24-3","Decachlorobiphenyl
(Sr)","0.197","g/l",,"-99","NA",,"SUR","102",,"-99","NA","YES","0.192",,"1040","10",,"-99",
"TF1-GZ-106-091317","SW846 8081B","RES","SC39221-01","ESAI","309-00-
2","Aldrin","0.019","g/l","U","0.015","MDL","TARGET",,"0.019","RDL","YES",-99,,1040,"10","0.019",
"TF1-GZ-106-091317","SW846 8081B","RES","SC39221-01","ESAI","319-84-6","alpha-
BHC","0.019","g/l","U","0.011","MDL","TARGET",,"0.019","RDL","YES",-99,,1040,"10","0.019",
"TF1-GZ-106-091317","SW846 8081B","RES","SC39221-01","ESAI","319-85-7","beta-
BHC","0.019","g/l","U","0.014","MDL","TARGET",,"0.019","RDL","YES",-99,,1040,"10","0.019",
"TF1-GZ-106-091317","SW846 8081B","RES","SC39221-01","ESAI","319-86-8","delta-
BHC","0.019","g/l","U","0.015","MDL","TARGET",,"0.019","RDL","YES",-99,,1040,"10","0.019",
"TF1-GZ-106-091317","SW846 8081B","RES","SC39221-01","ESAI","33213-65-9","Endosulfan
II","0.019","g/l","U","0.019","MDL","TARGET",,"0.038","RDL","YES",-99,,1040,"10","0.019",
"TF1-GZ-106-091317","SW846 8081B","RES","SC39221-01","ESAI","50-29-3","4,4'-DDT
(p,p')","0.029","g/l","U","0.017","MDL","TARGET",,"0.038","RDL","YES",-99,,1040,"10","0.029",
"TF1-GZ-106-091317","SW846 8081B","RES","SC39221-01","ESAI","5103-71-9","alpha-
Chlordane","0.019","g/l","U","0.015","MDL","TARGET",,"0.019","RDL","YES",-99,,1040,"10","0.019",
"TF1-GZ-106-091317","SW846 8081B","RES","SC39221-01","ESAI","5103-74-2","Chlordane (gamma)
(trans)","0.019","g/l","U","0.015","MDL","TARGET",,"0.019","RDL","YES",-99,,1040,"10","0.019",
"TF1-GZ-106-091317","SW846 8081B","RES","SC39221-01","ESAI","53494-70-5","Endrin
ketone","0.019","g/l","U","0.017","MDL","TARGET",,"0.038","RDL","YES",-99,,1040,"10","0.019",
"TF1-GZ-106-091317","SW846 8081B","RES","SC39221-01","ESAI","57-74-
9","Chlordane","0.063","g/l","U","0.049","MDL","TARGET",,"0.063","RDL","YES",-99,,1040,"10","0.063",
"TF1-GZ-106-091317","SW846 8081B","RES","SC39221-01","ESAI","58-89-9","gamma-BHC
(Lindane)","0.019","g/l","U","0.017","MDL","TARGET",,"0.019","RDL","YES",-99,,1040,"10","0.019",
"TF1-GZ-106-091317","SW846 8081B","RES","SC39221-01","ESAI","60-57-
1","Dieldrin","0.019","g/l","U","0.016","MDL","TARGET",,"0.019","RDL","YES",-99,,1040,"10","0.019",
"TF1-GZ-106-091317","SW846 8081B","RES","SC39221-01","ESAI","72-20-
8","Endrin","0.019","g/l","U","0.018","MDL","TARGET",,"0.038","RDL","YES",-99,,1040,"10","0.019",
"TF1-GZ-106-091317","SW846 8081B","RES","SC39221-01","ESAI","72-43-
5","Methoxychlor","0.019","g/l","U","0.018","MDL","TARGET",,"0.038","RDL","YES",-99,,1040,"10","0.019",
"TF1-GZ-106-091317","SW846 8081B","RES","SC39221-01","ESAI","72-54-8","4,4'-DDD
(p,p')","0.019","g/l","U","0.018","MDL","TARGET",,"0.038","RDL","YES",-99,,1040,"10","0.019",
"TF1-GZ-106-091317","SW846 8081B","RES","SC39221-01","ESAI","72-55-9","4,4'-DDE
(p,p')","0.019","g/l","U","0.017","MDL","TARGET",,"0.019","RDL","YES",-99,,1040,"10","0.019",
"TF1-GZ-106-091317","SW846 8081B","RES","SC39221-01","ESAI","7421-93-4","Endrin
aldehyde","0.019","g/l","U","0.018","MDL","TARGET",,"0.038","RDL","YES",-99,,1040,"10","0.019",
"TF1-GZ-106-091317","SW846 8081B","RES","SC39221-01","ESAI","76-44-
8","Heptachlor","0.019","g/l","U","0.019","MDL","TARGET",,"0.019","RDL","YES",-99,,1040,"10","0.019",
"TF1-GZ-106-091317","SW846 8081B","RES","SC39221-01","ESAI","8001-35-
2","Toxaphene","0.481","g/l","U","0.315","MDL","TARGET",,"0.481","RDL","YES",-99,,1040,"10","0.481",
1"

"TF1-GZ-106-091317","SW846 8081B","RES","SC39221-01","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS)","0.020","mg/ml","-99","NA","ISTD","64","-99","NA","YES","10.0","1040","10","-99",
"TF1-GZ-106-091317","SW846 8081B","RES","SC39221-01","ESAI","959-98-8","Endosulfan I","0.019","mg/l","U","0.016","MDL","TARGET","0.019","RDL","YES","-99","1040","10","0.019",
"TF1-MW-1008-091317","EPA 200/6000 methods","RES","SC39221-04","ESAI","NA","Preservation","0","N/A","-99","NA","TARGET","-99","NA","YES","-99","1","1","-99","Field Preserved; pH<2 confirmed"
"TF1-MW-1008-091317","EPA 245.1/7470A","RES","SC39221-04","ESAI","7439-97-6","Mercury","0.00020","mg/l","U","0.00013","MDL","TARGET","0.00020","RDL","YES","-99","20","20","0.00020",
"TF1-MW-1008-091317","EPA 300.0","DL3","SC39221-04","ESAI","16887-00-6","Chloride","81.3","mg/l","GS1, D","0.298","MDL","TARGET","3.00","RDL","YES","-99","5","5","0.300",
"TF1-MW-1008-091317","EPA 300.0","RES","SC39221-04","ESAI","14797-55-8","Nitrate as N","0.100","mg/l","U","0.007","MDL","TARGET","0.100","RDL","YES","-99","5","5","0.100",
"TF1-MW-1008-091317","EPA 300.0","RES","SC39221-04","ESAI","14808-79-8","Sulfate as SO4","23.0","mg/l","0.798","MDL","TARGET","1.00","RDL","YES","-99","5","5","1.00",
"TF1-MW-1008-091317","EPA 537 Modified","RES","SC39221-04","ESAI","1763-23-1","Perfluorooctanesulfonate","6","ng/l","Ja","2","MDL","TARGET","6","RDL","YES","-99","-99",
"TF1-MW-1008-091317","EPA 537 Modified","RES","SC39221-04","ESAI","1763-23-1L","13C8-PFOS","33","ng/l","-99","NA","SUR","68","-99","NA","YES","48","-99",
"TF1-MW-1008-091317","EPA 537 Modified","RES","SC39221-04","ESAI","2058-94-8","Perfluoroundecanoic acid","0","ng/l","1","MDL","TARGET","3","RDL","YES","-99","-99","<",
"TF1-MW-1008-091317","EPA 537 Modified","RES","SC39221-04","ESAI","2058-94-8L","13C7-PFUnDA","37","ng/l","-99","NA","SUR","75","-99","NA","YES","50","-99",
"TF1-MW-1008-091317","EPA 537 Modified","RES","SC39221-04","ESAI","2706-90-3","Perfluoropentanoic Acid","89","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99",
"TF1-MW-1008-091317","EPA 537 Modified","RES","SC39221-04","ESAI","2706-90-3L","13C5-PFPeA","37","ng/l","-99","NA","SUR","74","-99","NA","YES","50","-99",
"TF1-MW-1008-091317","EPA 537 Modified","RES","SC39221-04","ESAI","307-24-4","Perfluorohexanoic acid","130","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99",
"TF1-MW-1008-091317","EPA 537 Modified","RES","SC39221-04","ESAI","307-24-4L","13C5-PFHxA","42","ng/l","-99","NA","SUR","84","-99","NA","YES","50","-99",
"TF1-MW-1008-091317","EPA 537 Modified","RES","SC39221-04","ESAI","307-55-1","Perfluorododecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<",
"TF1-MW-1008-091317","EPA 537 Modified","RES","SC39221-04","ESAI","307-55-1L","13C2-PFDoDA","32","ng/l","-99","NA","SUR","65","-99","NA","YES","50","-99",
"TF1-MW-1008-091317","EPA 537 Modified","RES","SC39221-04","ESAI","335-67-1","Perfluorooctanoic acid","67","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99",
"TF1-MW-1008-091317","EPA 537 Modified","RES","SC39221-04","ESAI","335-67-1L","13C8-PFOA","37","ng/l","-99","NA","SUR","74","-99","NA","YES","50","-99",
"TF1-MW-1008-091317","EPA 537 Modified","RES","SC39221-04","ESAI","335-76-2","Perfluorodecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<",
"TF1-MW-1008-091317","EPA 537 Modified","RES","SC39221-04","ESAI","335-76-2L","13C6-PFDA","41","ng/l","-99","NA","SUR","81","-99","NA","YES","50","-99",
"TF1-MW-1008-091317","EPA 537 Modified","RES","SC39221-04","ESAI","335-77-3","Perfluorodecanesulfonate","0","ng/l","2","MDL","TARGET","6","RDL","YES","-99","-99","<",
"TF1-MW-1008-091317","EPA 537 Modified","RES","SC39221-04","ESAI","355-46-4","Perfluorohexanesulfonate","38","ng/l","1","MDL","TARGET","3","RDL","YES","-99","-99",
"TF1-MW-1008-091317","EPA 537 Modified","RES","SC39221-04","ESAI","355-46-4L","13C3-PFHxS","46","ng/l","-99","NA","SUR","97","-99","NA","YES","47","-99",
"TF1-MW-1008-091317","EPA 537 Modified","RES","SC39221-04","ESAI","375-22-4","Perfluorobutanoic Acid","34","ng/l","3","MDL","TARGET","10","RDL","YES","-99","-99",
"TF1-MW-1008-091317","EPA 537 Modified","RES","SC39221-04","ESAI","375-22-4L","13C4-PFBA","37","ng/l","-99","NA","SUR","75","-99","NA","YES","50","-99",
"TF1-MW-1008-091317","EPA 537 Modified","RES","SC39221-04","ESAI","375-73-5","Perfluorobutanesulfonate","21","ng/l","0.8","MDL","TARGET","3","RDL","YES","-99","-99",
"TF1-MW-1008-091317","EPA 537 Modified","RES","SC39221-04","ESAI","375-73-5L","13C3-

PFBS", "37", "ng/l", "-99", "NA", "SUR", "79", "-99", "NA", "YES", "47", "-99",
"TF1-MW-1008-091317", "EPA 537 Modified", "RES", "SC39221-04", "ESAI", "375-85-9", "Perfluoroheptanoic
acid", "16", "ng/l", "0.5", "MDL", "TARGET", "2", "RDL", "YES", "-99", "-99",
"TF1-MW-1008-091317", "EPA 537 Modified", "RES", "SC39221-04", "ESAI", "375-85-9L", "13C4-
PFHpA", "45", "ng/l", "-99", "NA", "SUR", "90", "-99", "NA", "YES", "50", "-99",
"TF1-MW-1008-091317", "EPA 537 Modified", "RES", "SC39221-04", "ESAI", "375-92-
8", "Perfluoroheptanesulfonate", "0", "ng/l", "2", "MDL", "TARGET", "6", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-1008-091317", "EPA 537 Modified", "RES", "SC39221-04", "ESAI", "375-95-1", "Perfluorononanoic
acid", "0", "ng/l", "0.6", "MDL", "TARGET", "2", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-1008-091317", "EPA 537 Modified", "RES", "SC39221-04", "ESAI", "375-95-1L", "13C9-
PFNA", "34", "ng/l", "-99", "NA", "SUR", "68", "-99", "NA", "YES", "50", "-99",
"TF1-MW-1008-091317", "EPA 537 Modified", "RES", "SC39221-04", "ESAI", "376-06-7", "Perfluorotetradecanoic
acid", "0", "ng/l", "0.5", "MDL", "TARGET", "2", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-1008-091317", "EPA 537 Modified", "RES", "SC39221-04", "ESAI", "376-06-7L", "13C2-
PFTeDA", "31", "ng/l", "-99", "NA", "SUR", "61", "-99", "NA", "YES", "50", "-99",
"TF1-MW-1008-091317", "EPA 537 Modified", "RES", "SC39221-04", "ESAI", "72629-94-8", "Perfluorotridecanoic
acid", "0", "ng/l", "0.5", "MDL", "TARGET", "2", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-1008-091317", "EPA 537 Modified", "RES", "SC39221-04", "ESAI", "754-91-
6", "PFOSA", "0", "ng/l", "3", "MDL", "TARGET", "9", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-1008-091317", "EPA 537 Modified", "RES", "SC39221-04", "ESAI", "754-91-6L", "13C8-
PFOSA", "27", "ng/l", "-99", "NA", "SUR", "55", "-99", "NA", "YES", "50", "-99",
"TF1-MW-1008-091317", "Mod EPA 3C/SOP RSK-175", "RES", "SC39221-04", "ESAI", "74-82-
8", "Methane", "2.20", "g/l", "U", "2.16", "MDL", "TARGET", "2.20", "RDL", "YES", "-99", "10", "10", "2.20",
"TF1-MW-1008-091317", "Mod EPA 3C/SOP RSK-175", "RES", "SC39221-04", "ESAI", "74-84-
0", "Ethane", "5.00", "g/l", "U", "3.48", "MDL", "TARGET", "5.00", "RDL", "YES", "-99", "10", "10", "5.00",
"TF1-MW-1008-091317", "SM18-22 5210B", "RES", "SC39221-04", "ESAI", "NA", "Biochemical Oxygen Demand
(5-day)", "6.00", "mg/l", "BOD4", "2.74", "MDL", "TARGET", "3.00", "RDL", "YES", "-99", "300", "300", "2.97",
"TF1-MW-1008-091317", "SM2320B (97, 11)", "RES", "SC39221-04", "ESAI", "NA", "Total Alkalinity", "39.9", "mg/l
CaCO3", "0.524", "MDL", "TARGET", "2.00", "RDL", "YES", "-99", "100", "50", "1.50",
"TF1-MW-1008-091317", "SM5310B (00, 11)", "RES", "SC39221-04", "ESAI", "NA", "Total Organic
Carbon", "0.431", "mg/l", "J", "0.238", "MDL", "TARGET", "1.00", "RDL", "YES", "-99", "40", "40", "0.500",
"TF1-MW-1008-091317", "SW846 6010C", "RES", "SC39221-04", "ESAI", "7429-90-
5", "Aluminum", "0.0500", "mg/l", "U", "0.0206", "MDL", "TARGET", "0.0500", "RDL", "YES", "-99", "50", "50", "0.05
00",
"TF1-MW-1008-091317", "SW846 6010C", "RES", "SC39221-04", "ESAI", "7439-89-
6", "Iron", "24.3", "mg/l", "R06", "0.0089", "MDL", "TARGET", "0.0800", "RDL", "YES", "-99", "50", "50", "0.0300",
"TF1-MW-1008-091317", "SW846 6010C", "RES", "SC39221-04", "ESAI", "7439-95-
4", "Magnesium", "9.22", "mg/l", "0.0088", "MDL", "TARGET", "0.0200", "RDL", "YES", "-99", "50", "50", "0.0100",
"TF1-MW-1008-091317", "SW846 6010C", "RES", "SC39221-04", "ESAI", "7440-09-
7", "Potassium", "0.623", "mg/l", "J", "0.120", "MDL", "TARGET", "1.00", "RDL", "YES", "-99", "50", "50", "0.250",
"TF1-MW-1008-091317", "SW846 6010C", "RES", "SC39221-04", "ESAI", "7440-23-
5", "Sodium", "30.4", "mg/l", "0.0785", "MDL", "TARGET", "0.500", "RDL", "YES", "-99", "50", "50", "0.250",
"TF1-MW-1008-091317", "SW846 6010C", "RES", "SC39221-04", "ESAI", "7440-70-
2", "Calcium", "10.7", "mg/l", "0.0142", "MDL", "TARGET", "0.200", "RDL", "YES", "-99", "50", "50", "0.0500",
"TF1-MW-1008-091317", "SW-846 6020A", "RES", "SC39221-04", "ESAI", "7439-92-
1", "Lead", "0", "mg/l", "0.00011", "MDL", "TARGET", "0.0020", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-1008-091317", "SW-846 6020A", "RES", "SC39221-04", "ESAI", "7439-96-
5", "Manganese", "2.45", "mg/l", "0.00090", "MDL", "TARGET", "0.0040", "RDL", "YES", "-99", "-99",
"TF1-MW-1008-091317", "SW-846 6020A", "RES", "SC39221-04", "ESAI", "7439-98-
7", "Molybdenum", "0", "mg/l", "0.00025", "MDL", "TARGET", "0.0010", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-1008-091317", "SW-846 6020A", "RES", "SC39221-04", "ESAI", "7440-02-
0", "Nickel", "0.0492", "mg/l", "0.0010", "MDL", "TARGET", "0.0040", "RDL", "YES", "-99", "-99",
"TF1-MW-1008-091317", "SW-846 6020A", "RES", "SC39221-04", "ESAI", "7440-22-
4", "Silver", "0", "mg/l", "0.00015", "MDL", "TARGET", "0.0010", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-1008-091317", "SW-846 6020A", "RES", "SC39221-04", "ESAI", "7440-28-
0", "Thallium", "0", "mg/l", "0.00012", "MDL", "TARGET", "0.0010", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-1008-091317", "SW-846 6020A", "RES", "SC39221-04", "ESAI", "7440-36-

0", "Antimony", "0", "mg/l", "0.00045", "MDL", "TARGET", "0.0020", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-1008-091317", "SW-846 6020A", "RES", "SC39221-04", "ESAI", "7440-38-
2", "Arsenic", "0.0019", "mg/l", "Ja", "0.00072", "MDL", "TARGET", "0.0040", "RDL", "YES", "-99", "-99",
"TF1-MW-1008-091317", "SW-846 6020A", "RES", "SC39221-04", "ESAI", "7440-39-
3", "Barium", "0.0125", "mg/l", "0.00072", "MDL", "TARGET", "0.0040", "RDL", "YES", "-99", "-99",
"TF1-MW-1008-091317", "SW-846 6020A", "RES", "SC39221-04", "ESAI", "7440-41-
7", "Beryllium", "0.000095", "mg/l", "Ja", "0.000071", "MDL", "TARGET", "0.0010", "RDL", "YES", "-99", "-99",
"TF1-MW-1008-091317", "SW-846 6020A", "RES", "SC39221-04", "ESAI", "7440-43-
9", "Cadmium", "0", "mg/l", "0.00015", "MDL", "TARGET", "0.0010", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-1008-091317", "SW-846 6020A", "RES", "SC39221-04", "ESAI", "7440-47-
3", "Chromium", "0", "mg/l", "0.00087", "MDL", "TARGET", "0.0040", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-1008-091317", "SW-846 6020A", "RES", "SC39221-04", "ESAI", "7440-48-
4", "Cobalt", "0.0305", "mg/l", "0.00016", "MDL", "TARGET", "0.0010", "RDL", "YES", "-99", "-99",
"TF1-MW-1008-091317", "SW-846 6020A", "RES", "SC39221-04", "ESAI", "7440-50-
8", "Copper", "0", "mg/l", "0.00054", "MDL", "TARGET", "0.0040", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-1008-091317", "SW-846 6020A", "RES", "SC39221-04", "ESAI", "7440-62-
2", "Vanadium", "0", "mg/l", "0.00021", "MDL", "TARGET", "0.0010", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-1008-091317", "SW-846 6020A", "RES", "SC39221-04", "ESAI", "7440-66-
6", "Zinc", "0.0839", "mg/l", "0.0039", "MDL", "TARGET", "0.0300", "RDL", "YES", "-99", "-99",
"TF1-MW-1008-091317", "SW-846 6020A", "RES", "SC39221-04", "ESAI", "7782-49-
2", "Selenium", "0", "mg/l", "0.00050", "MDL", "TARGET", "0.0040", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-1008-091317", "SW-846 8015B", "RES", "SC39221-04", "ESAI", "108-90-
7", "Chlorobenzene", "0.0097", "mg/l", "-99", "NA", "SUR", "80", "-99", "NA", "YES", "0.012", "-99",
"TF1-MW-1008-091317", "SW-846 8015B", "RES", "SC39221-04", "ESAI", "84-15-
1", "Orthoterphenyl", "0.012", "mg/l", "-99", "NA", "SUR", "96", "-99", "NA", "YES", "0.012", "-99",
"TF1-MW-1008-091317", "SW-846 8015B", "RES", "SC39221-04", "ESAI", "PHCC8C44", "C8-
C44", "0", "mg/l", "0.050", "MDL", "TARGET", "0.20", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-1008-091317", "SW-846 8015B", "RES", "SC39221-04", "ESAI", "PHCE", "Total
TPH", "0", "mg/l", "0.050", "MDL", "TARGET", "0.20", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-1008-091317", "SW846 8081B", "RES", "SC39221-04", "ESAI", "1024-57-3", "Heptachlor
epoxide", "0.019", "g/l", "U", "0.015", "MDL", "TARGET", "0.019", "RDL", "YES", "-99", "1040", "10", "0.019",
"TF1-MW-1008-091317", "SW846 8081B", "RES", "SC39221-04", "ESAI", "1031-07-8", "Endosulfan
sulfate", "0.019", "g/l", "U", "0.019", "MDL", "TARGET", "0.038", "RDL", "YES", "-99", "1040", "10", "0.019",
"TF1-MW-1008-091317", "SW846 8081B", "RES", "SC39221-04", "ESAI", "10386-84-2", "4,4-DB-
Octafluorobiphenyl
(Sr)", "0.179", "g/l", "-99", "NA", "SUR", "93", "-99", "NA", "YES", "0.192", "1040", "10", "-99",
"TF1-MW-1008-091317", "SW846 8081B", "RES", "SC39221-04", "ESAI", "15972-60-
8", "Alachlor", "0.019", "g/l", "U", "0.018", "MDL", "TARGET", "0.019", "RDL", "YES", "-99", "1040", "10", "0.019",
"TF1-MW-1008-091317", "SW846 8081B", "RES", "SC39221-04", "ESAI", "2051-24-3", "Decachlorobiphenyl
(Sr)", "0.153", "g/l", "-99", "NA", "SUR", "80", "-99", "NA", "YES", "0.192", "1040", "10", "-99",
"TF1-MW-1008-091317", "SW846 8081B", "RES", "SC39221-04", "ESAI", "309-00-
2", "Aldrin", "0.019", "g/l", "U", "0.015", "MDL", "TARGET", "0.019", "RDL", "YES", "-99", "1040", "10", "0.019",
"TF1-MW-1008-091317", "SW846 8081B", "RES", "SC39221-04", "ESAI", "319-84-6", "alpha-
BHC", "0.019", "g/l", "U", "0.011", "MDL", "TARGET", "0.019", "RDL", "YES", "-99", "1040", "10", "0.019",
"TF1-MW-1008-091317", "SW846 8081B", "RES", "SC39221-04", "ESAI", "319-85-7", "beta-
BHC", "0.019", "g/l", "U", "0.014", "MDL", "TARGET", "0.019", "RDL", "YES", "-99", "1040", "10", "0.019",
"TF1-MW-1008-091317", "SW846 8081B", "RES", "SC39221-04", "ESAI", "319-86-8", "delta-
BHC", "0.019", "g/l", "U", "0.015", "MDL", "TARGET", "0.019", "RDL", "YES", "-99", "1040", "10", "0.019",
"TF1-MW-1008-091317", "SW846 8081B", "RES", "SC39221-04", "ESAI", "33213-65-9", "Endosulfan
II", "0.019", "g/l", "U", "0.019", "MDL", "TARGET", "0.038", "RDL", "YES", "-99", "1040", "10", "0.019",
"TF1-MW-1008-091317", "SW846 8081B", "RES", "SC39221-04", "ESAI", "50-29-3", "4,4'-DDT
(p,p')", "0.029", "g/l", "U", "0.017", "MDL", "TARGET", "0.038", "RDL", "YES", "-99", "1040", "10", "0.029",
"TF1-MW-1008-091317", "SW846 8081B", "RES", "SC39221-04", "ESAI", "5103-71-9", "alpha-
Chlordane", "0.019", "g/l", "U", "0.015", "MDL", "TARGET", "0.019", "RDL", "YES", "-99", "1040", "10", "0.019",
"TF1-MW-1008-091317", "SW846 8081B", "RES", "SC39221-04", "ESAI", "5103-74-2", "Chlordane (gamma)
(trans)", "0.019", "g/l", "U", "0.015", "MDL", "TARGET", "0.019", "RDL", "YES", "-99", "1040", "10", "0.019",
"TF1-MW-1008-091317", "SW846 8081B", "RES", "SC39221-04", "ESAI", "53494-70-5", "Endrin

ketone","0.019","g/l","U","0.017","MDL","TARGET","0.038","RDL","YES","-99","1040","10","0.019",
"TF1-MW-1008-091317","SW846 8081B","RES","SC39221-04","ESAI","57-74-
9","Chlordane","0.063","g/l","U","0.049","MDL","TARGET","0.063","RDL","YES","-99","1040","10","0.063",
"TF1-MW-1008-091317","SW846 8081B","RES","SC39221-04","ESAI","58-89-9","gamma-BHC
(Lindane)","0.019","g/l","U","0.017","MDL","TARGET","0.019","RDL","YES","-99","1040","10","0.019",
"TF1-MW-1008-091317","SW846 8081B","RES","SC39221-04","ESAI","60-57-
1","Dieldrin","0.019","g/l","U","0.016","MDL","TARGET","0.019","RDL","YES","-99","1040","10","0.019",
"TF1-MW-1008-091317","SW846 8081B","RES","SC39221-04","ESAI","72-20-
8","Endrin","0.019","g/l","U","0.018","MDL","TARGET","0.038","RDL","YES","-99","1040","10","0.019",
"TF1-MW-1008-091317","SW846 8081B","RES","SC39221-04","ESAI","72-43-
5","Methoxychlor","0.019","g/l","U","0.018","MDL","TARGET","0.038","RDL","YES","-99","1040","10","0.019",
"TF1-MW-1008-091317","SW846 8081B","RES","SC39221-04","ESAI","72-54-8","4,4'-DDD
(p,p')","0.019","g/l","U","0.018","MDL","TARGET","0.038","RDL","YES","-99","1040","10","0.019",
"TF1-MW-1008-091317","SW846 8081B","RES","SC39221-04","ESAI","72-55-9","4,4'-DDE
(p,p')","0.019","g/l","U","0.017","MDL","TARGET","0.019","RDL","YES","-99","1040","10","0.019",
"TF1-MW-1008-091317","SW846 8081B","RES","SC39221-04","ESAI","7421-93-4","Endrin
aldehyde","0.019","g/l","U","0.018","MDL","TARGET","0.038","RDL","YES","-99","1040","10","0.019",
"TF1-MW-1008-091317","SW846 8081B","RES","SC39221-04","ESAI","76-44-
8","Heptachlor","0.019","g/l","U","0.019","MDL","TARGET","0.019","RDL","YES","-99","1040","10","0.019",
"TF1-MW-1008-091317","SW846 8081B","RES","SC39221-04","ESAI","8001-35-
2","Toxaphene","0.481","g/l","U","0.315","MDL","TARGET","0.481","RDL","YES","-99","1040","10","0.481",
"TF1-MW-1008-091317","SW846 8081B","RES","SC39221-04","ESAI","877-09-8","2,4,5,6-TC-M-Xylene
(IS)","0.020","g/ml","-99","NA","ISTD","83","-99","NA","YES","10.0","1040","10","-99",
"TF1-MW-1008-091317","SW846 8081B","RES","SC39221-04","ESAI","959-98-8","Endosulfan
I","0.019","g/l","U","0.016","MDL","TARGET","0.019","RDL","YES","-99","1040","10","0.019",
"TF1-MW-1008-091317","SW846 8082A","RES","SC39221-04","ESAI","10386-84-2","4,4-DB-
Octafluorobiphenyl
(Sr)","0.0769","g/l","-99","NA","SUR","40","-99","NA","YES","0.192","1040","10","-99",
"TF1-MW-1008-091317","SW846 8082A","RES","SC39221-04","ESAI","11096-82-5","Aroclor-
1260","0.192","g/l","U","0.0818","MDL","TARGET","0.192","RDL","YES","-99","1040","10","0.192",
"TF1-MW-1008-091317","SW846 8082A","RES","SC39221-04","ESAI","11097-69-1","Aroclor-
1254","0.192","g/l","U","0.112","MDL","TARGET","0.192","RDL","YES","-99","1040","10","0.192",
"TF1-MW-1008-091317","SW846 8082A","RES","SC39221-04","ESAI","11100-14-4","Aroclor-
1268","0.192","g/l","U","0.0880","MDL","TARGET","0.192","RDL","YES","-99","1040","10","0.192",
"TF1-MW-1008-091317","SW846 8082A","RES","SC39221-04","ESAI","11104-28-2","Aroclor-
1221","0.192","g/l","U","0.111","MDL","TARGET","0.192","RDL","YES","-99","1040","10","0.192",
"TF1-MW-1008-091317","SW846 8082A","RES","SC39221-04","ESAI","11141-16-5","Aroclor-
1232","0.192","g/l","U","0.107","MDL","TARGET","0.192","RDL","YES","-99","1040","10","0.192",
"TF1-MW-1008-091317","SW846 8082A","RES","SC39221-04","ESAI","12672-29-6","Aroclor-
1248","0.192","g/l","U","0.131","MDL","TARGET","0.192","RDL","YES","-99","1040","10","0.192",
"TF1-MW-1008-091317","SW846 8082A","RES","SC39221-04","ESAI","12674-11-2","Aroclor-
1016","0.192","g/l","U","0.100","MDL","TARGET","0.192","RDL","YES","-99","1040","10","0.192",
"TF1-MW-1008-091317","SW846 8082A","RES","SC39221-04","ESAI","2051-24-3","Decachlorobiphenyl
(Sr)","0.0865","g/l","-99","NA","SUR","45","-99","NA","YES","0.192","1040","10","-99",
"TF1-MW-1008-091317","SW846 8082A","RES","SC39221-04","ESAI","37324-23-5","Aroclor-
1262","0.192","g/l","U","0.0862","MDL","TARGET","0.192","RDL","YES","-99","1040","10","0.192",
"TF1-MW-1008-091317","SW846 8082A","RES","SC39221-04","ESAI","53469-21-9","Aroclor-
1242","0.192","g/l","U","0.103","MDL","TARGET","0.192","RDL","YES","-99","1040","10","0.192",
"TF1-MW-1008-091317","SW846 8082A","RES","SC39221-04","ESAI","877-09-8","2,4,5,6-TC-M-Xylene
(IS)","0.0200","g/ml","-99","NA","ISTD","108","-99","NA","YES","10.0","1040","10","-99",
"TF1-MW-1008-091317","SW846 8260C","RES","SC39221-04","ESAI","100-41-
4","Ethylbenzene","0.5","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-MW-1008-091317","SW846 8260C","RES","SC39221-04","ESAI","100-42-

5", "Styrene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-MW-1008-091317", "SW846 8260C", "RES", "SC39221-04", "ESAI", "10061-01-5", "cis-1,3-
Dichloropropene", "0.5", "g/l", "U", "0.4", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-MW-1008-091317", "SW846 8260C", "RES", "SC39221-04", "ESAI", "10061-02-6", "trans-1,3-
Dichloropropene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-MW-1008-091317", "SW846 8260C", "RES", "SC39221-04", "ESAI", "106-46-7", "1,4-
Dichlorobenzene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-MW-1008-091317", "SW846 8260C", "RES", "SC39221-04", "ESAI", "106-93-4", "1,2-Dibromoethane
(EDB)", "0.5", "g/l", "U", "0.2", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-MW-1008-091317", "SW846 8260C", "RES", "SC39221-04", "ESAI", "107-06-2", "1,2-
Dichloroethane", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-MW-1008-091317", "SW846 8260C", "RES", "SC39221-04", "ESAI", "108-10-1", "4-Methyl-2-pentanone
(MIBK)", "2.0", "g/l", "U", "0.5", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-MW-1008-091317", "SW846 8260C", "RES", "SC39221-04", "ESAI", "108-87-
2", "Methylcyclohexane", "2.0", "g/l", "U", "0.7", "MDL", "TARGET", "5.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-MW-1008-091317", "SW846 8260C", "RES", "SC39221-04", "ESAI", "108-88-
3", "Toluene", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-MW-1008-091317", "SW846 8260C", "RES", "SC39221-04", "ESAI", "108-90-
7", "Chlorobenzene", "0.5", "g/l", "U", "0.2", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-MW-1008-091317", "SW846 8260C", "RES", "SC39221-04", "ESAI", "110-82-
7", "Cyclohexane", "2.0", "g/l", "U", "0.8", "MDL", "TARGET", "5.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-MW-1008-091317", "SW846 8260C", "RES", "SC39221-04", "ESAI", "120-82-1", "1,2,4-
Trichlorobenzene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-MW-1008-091317", "SW846 8260C", "RES", "SC39221-04", "ESAI", "124-48-
1", "Dibromochloromethane", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-MW-1008-091317", "SW846 8260C", "RES", "SC39221-04", "ESAI", "127-18-
4", "Tetrachloroethene", "1.0", "g/l", "U", "0.6", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-MW-1008-091317", "SW846 8260C", "RES", "SC39221-04", "ESAI", "156-59-2", "cis-1,2-
Dichloroethene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-MW-1008-091317", "SW846 8260C", "RES", "SC39221-04", "ESAI", "156-60-5", "trans-1,2-
Dichloroethene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-MW-1008-091317", "SW846 8260C", "RES", "SC39221-04", "ESAI", "1634-04-4", "Methyl tert-butyl
ether", "0.3", "g/l", "J", "0.2", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-MW-1008-091317", "SW846 8260C", "RES", "SC39221-04", "ESAI", "17060-07-0", "1,2-Dichloroethane-
d4", "52.9", "g/l", "-99", "NA", "SUR", "106", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-MW-1008-091317", "SW846 8260C", "RES", "SC39221-04", "ESAI", "179601-23-1", "m,p-
Xylene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-MW-1008-091317", "SW846 8260C", "RES", "SC39221-04", "ESAI", "1868-53-
7", "Dibromofluoromethane", "50.0", "g/l", "-99", "NA", "SUR", "100", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-MW-1008-091317", "SW846 8260C", "RES", "SC39221-04", "ESAI", "2037-26-5", "Toluene-
d8", "48.6", "g/l", "-99", "NA", "SUR", "97", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-MW-1008-091317", "SW846 8260C", "RES", "SC39221-04", "ESAI", "3114-55-4", "Chlorobenzene-
d5", "50.0", "g/l", "-99", "NA", "ISTD", "90", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-MW-1008-091317", "SW846 8260C", "RES", "SC39221-04", "ESAI", "3855-82-1", "1,4-Dichlorobenzene-
d4", "50.0", "g/l", "-99", "NA", "ISTD", "79", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-MW-1008-091317", "SW846 8260C", "RES", "SC39221-04", "ESAI", "460-00-4", "4-
Bromofluorobenzene", "46.4", "g/l", "-99", "NA", "SUR", "93", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-MW-1008-091317", "SW846 8260C", "RES", "SC39221-04", "ESAI", "462-06-
6", "Fluorobenzene", "50.0", "g/l", "-99", "NA", "ISTD", "96", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-MW-1008-091317", "SW846 8260C", "RES", "SC39221-04", "ESAI", "541-73-1", "1,3-
Dichlorobenzene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-MW-1008-091317", "SW846 8260C", "RES", "SC39221-04", "ESAI", "56-23-5", "Carbon
tetrachloride", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-MW-1008-091317", "SW846 8260C", "RES", "SC39221-04", "ESAI", "591-78-6", "2-Hexanone
(MBK)", "2.0", "g/l", "U", "0.5", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-MW-1008-091317", "SW846 8260C", "RES", "SC39221-04", "ESAI", "67-64-
1", "Acetone", "2.0", "g/l", "U", "0.8", "MDL", "TARGET", "10.0", "RDL", "YES", "-99", "5", "5", "2.0",

"TF1-MW-1008-091317","SW846 8260C","RES","SC39221-04","ESAI","67-66-3","Chloroform","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-MW-1008-091317","SW846 8260C","RES","SC39221-04","ESAI","71-43-2","Benzene","0.5","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-MW-1008-091317","SW846 8260C","RES","SC39221-04","ESAI","71-55-6","1,1,1-Trichloroethane","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-MW-1008-091317","SW846 8260C","RES","SC39221-04","ESAI","74-83-9","Bromomethane","2.0","g/l","U","0.9","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-MW-1008-091317","SW846 8260C","RES","SC39221-04","ESAI","74-87-3","Chloromethane","1.0","g/l","U","0.4","MDL","TARGET","2.0","RDL","YES","-99","5","5","1.0",
"TF1-MW-1008-091317","SW846 8260C","RES","SC39221-04","ESAI","74-97-5","Bromochloromethane","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-MW-1008-091317","SW846 8260C","RES","SC39221-04","ESAI","75-00-3","Chloroethane","2.0","g/l","U","0.6","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-MW-1008-091317","SW846 8260C","RES","SC39221-04","ESAI","75-01-4","Vinyl chloride","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-MW-1008-091317","SW846 8260C","RES","SC39221-04","ESAI","75-09-2","Methylene chloride","2.0","g/l","U","0.7","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-MW-1008-091317","SW846 8260C","RES","SC39221-04","ESAI","75-15-0","Carbon disulfide","1.0","g/l","U","0.4","MDL","TARGET","2.0","RDL","YES","-99","5","5","1.0",
"TF1-MW-1008-091317","SW846 8260C","RES","SC39221-04","ESAI","75-25-2","Bromoform","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-MW-1008-091317","SW846 8260C","RES","SC39221-04","ESAI","75-27-4","Bromodichloromethane","0.5","g/l","U","0.4","MDL","TARGET","0.5","RDL","YES","-99","5","5","0.5",
"TF1-MW-1008-091317","SW846 8260C","RES","SC39221-04","ESAI","75-34-3","1,1-Dichloroethane","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-MW-1008-091317","SW846 8260C","RES","SC39221-04","ESAI","75-35-4","1,1-Dichloroethene","1.0","g/l","U","0.7","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-MW-1008-091317","SW846 8260C","RES","SC39221-04","ESAI","75-69-4","Trichlorofluoromethane (Freon 11)","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-MW-1008-091317","SW846 8260C","RES","SC39221-04","ESAI","75-71-8","Dichlorodifluoromethane (Freon12)","2.0","g/l","U","0.6","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-MW-1008-091317","SW846 8260C","RES","SC39221-04","ESAI","76-13-1","1,1,2-Trichlorotrifluoroethane (Freon 113)","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-MW-1008-091317","SW846 8260C","RES","SC39221-04","ESAI","78-87-5","1,2-Dichloropropane","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-MW-1008-091317","SW846 8260C","RES","SC39221-04","ESAI","78-93-3","2-Butanone (MEK)","2.0","g/l","U","1.1","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-MW-1008-091317","SW846 8260C","RES","SC39221-04","ESAI","79-00-5","1,1,2-Trichloroethane","0.5","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-MW-1008-091317","SW846 8260C","RES","SC39221-04","ESAI","79-01-6","Trichloroethene","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-MW-1008-091317","SW846 8260C","RES","SC39221-04","ESAI","79-20-9","Methyl acetate","2.0","g/l","U","0.6","MDL","TARGET","5.0","RDL","YES","-99","5","5","2.0",
"TF1-MW-1008-091317","SW846 8260C","RES","SC39221-04","ESAI","79-34-5","1,1,2,2-Tetrachloroethane","0.5","g/l","U","0.3","MDL","TARGET","0.5","RDL","YES","-99","5","5","0.5",
"TF1-MW-1008-091317","SW846 8260C","RES","SC39221-04","ESAI","87-61-6","1,2,3-Trichlorobenzene","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-MW-1008-091317","SW846 8260C","RES","SC39221-04","ESAI","95-47-6","o-Xylene","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-MW-1008-091317","SW846 8260C","RES","SC39221-04","ESAI","95-50-1","1,2-Dichlorobenzene","0.5","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-MW-1008-091317","SW846 8260C","RES","SC39221-04","ESAI","96-12-8","1,2-Dibromo-3-chloropropane","2.0","g/l","U","0.9","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-MW-1008-091317","SW846 8260C","RES","SC39221-04","ESAI","98-82-8","Isopropylbenzene","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",

"TF1-MW-1008-091317","SW846 8270D","RES","SC39221-04","ESAI","1146-65-2","Naphthalene-d8","40.0","g/ml","-99","NA","ISTD","95","-99","NA","YES","40.0","1060","1","-99",
"TF1-MW-1008-091317","SW846 8270D","RES","SC39221-04","ESAI","120-12-7","Anthracene","0.943","g/l","U","0.574","MDL","TARGET","4.72","RDL","YES","-99","1060","1","0.943",
"TF1-MW-1008-091317","SW846 8270D","RES","SC39221-04","ESAI","129-00-0","Pyrene","0.943","g/l","U","0.575","MDL","TARGET","4.72","RDL","YES","-99","1060","1","0.943",
"TF1-MW-1008-091317","SW846 8270D","RES","SC39221-04","ESAI","15067-26-2","Acenaphthene-d10","40.0","g/ml","-99","NA","ISTD","90","-99","NA","YES","40.0","1060","1","-99",
"TF1-MW-1008-091317","SW846 8270D","RES","SC39221-04","ESAI","1517-22-2","Phenanthrene-d10","40.0","g/ml","-99","NA","ISTD","92","-99","NA","YES","40.0","1060","1","-99",
"TF1-MW-1008-091317","SW846 8270D","RES","SC39221-04","ESAI","1520-96-3","Perylene-d12","40.0","g/ml","-99","NA","ISTD","90","-99","NA","YES","40.0","1060","1","-99",
"TF1-MW-1008-091317","SW846 8270D","RES","SC39221-04","ESAI","1718-51-0","Terphenyl-d14","30.1","g/l","-99","NA","SUR","64","-99","NA","YES","47.2","1060","1","-99",
"TF1-MW-1008-091317","SW846 8270D","RES","SC39221-04","ESAI","1719-03-5","Chrysene-d12","40.0","g/ml","-99","NA","ISTD","97","-99","NA","YES","40.0","1060","1","-99",
"TF1-MW-1008-091317","SW846 8270D","RES","SC39221-04","ESAI","191-24-2","Benzo (g,h,i) perylene","0.943","g/l","U","0.500","MDL","TARGET","4.72","RDL","YES","-99","1060","1","0.943",
"TF1-MW-1008-091317","SW846 8270D","RES","SC39221-04","ESAI","193-39-5","Indeno (1,2,3-cd) pyrene","0.943","g/l","U","0.547","MDL","TARGET","4.72","RDL","YES","-99","1060","1","0.943",
"TF1-MW-1008-091317","SW846 8270D","RES","SC39221-04","ESAI","205-99-2","Benzo (b) fluoranthene","0.943","g/l","U","0.412","MDL","TARGET","4.72","RDL","YES","-99","1060","1","0.943",
"TF1-MW-1008-091317","SW846 8270D","RES","SC39221-04","ESAI","206-44-0","Fluoranthene","0.943","g/l","U","0.602","MDL","TARGET","4.72","RDL","YES","-99","1060","1","0.943",
"TF1-MW-1008-091317","SW846 8270D","RES","SC39221-04","ESAI","207-08-9","Benzo (k) fluoranthene","0.943","g/l","U","0.453","MDL","TARGET","4.72","RDL","YES","-99","1060","1","0.943",
"TF1-MW-1008-091317","SW846 8270D","RES","SC39221-04","ESAI","208-96-8","Acenaphthylene","0.943","g/l","U","0.644","MDL","TARGET","4.72","RDL","YES","-99","1060","1","0.943",
"TF1-MW-1008-091317","SW846 8270D","RES","SC39221-04","ESAI","218-01-9","Chrysene","0.943","g/l","U","0.502","MDL","TARGET","4.72","RDL","YES","-99","1060","1","0.943",
"TF1-MW-1008-091317","SW846 8270D","RES","SC39221-04","ESAI","321-60-8","2-Fluorobiphenyl","24.8","g/l","-99","NA","SUR","52","-99","NA","YES","47.2","1060","1","-99",
"TF1-MW-1008-091317","SW846 8270D","RES","SC39221-04","ESAI","4165-60-0","Nitrobenzene-d5","23.1","g/l","-99","NA","SUR","49","-99","NA","YES","47.2","1060","1","-99",
"TF1-MW-1008-091317","SW846 8270D","RES","SC39221-04","ESAI","50-32-8","Benzo (a) pyrene","0.943","g/l","U","0.530","MDL","TARGET","4.72","RDL","YES","-99","1060","1","0.943",
"TF1-MW-1008-091317","SW846 8270D","RES","SC39221-04","ESAI","53-70-3","Dibenzo (a,h) anthracene","0.943","g/l","U","0.425","MDL","TARGET","4.72","RDL","YES","-99","1060","1","0.943",
"TF1-MW-1008-091317","SW846 8270D","RES","SC39221-04","ESAI","56-55-3","Benzo (a) anthracene","0.943","g/l","U","0.506","MDL","TARGET","4.72","RDL","YES","-99","1060","1","0.943",
"TF1-MW-1008-091317","SW846 8270D","RES","SC39221-04","ESAI","83-32-9","Acenaphthene","0.943","g/l","U","0.652","MDL","TARGET","4.72","RDL","YES","-99","1060","1","0.943",
"TF1-MW-1008-091317","SW846 8270D","RES","SC39221-04","ESAI","85-01-8","Phenanthrene","0.943","g/l","U","0.553","MDL","TARGET","4.72","RDL","YES","-99","1060","1","0.943",
"TF1-MW-1008-091317","SW846 8270D","RES","SC39221-04","ESAI","86-73-7","Fluorene","0.943","g/l","U","0.577","MDL","TARGET","4.72","RDL","YES","-99","1060","1","0.943",
"TF1-MW-1008-091317","SW846 8270D","RES","SC39221-04","ESAI","90-12-0","1-Methylnaphthalene","0.943","g/l","U","0.692","MDL","TARGET","4.72","RDL","YES","-99","1060","1","0.943",
"TF1-MW-1008-091317","SW846 8270D","RES","SC39221-04","ESAI","91-20-3","Naphthalene","0.943","g/l","U","0.646","MDL","TARGET","4.72","RDL","YES","-99","1060","1","0.943",

"TF1-MW-1008-091317","SW846 8270D","RES","SC39221-04","ESAI","91-57-6","2-Methylnaphthalene","0.943","◆g/l","U","0.542","MDL","TARGET","4.72","RDL","YES","-99","1060","1","0.943",

"TF1-MW-1008-091317DUP","SW846 8082A","RES","1716099-DUP1","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl (Sr)","0.125","◆g/l","-99","NA","SUR","65","-99","NA","YES","0.192","TF1-MW-1008-091317","1040","10","-99",

"TF1-MW-1008-091317DUP","SW846 8082A","RES","1716099-DUP1","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl (Sr) [2C]","0.135","◆g/l","-99","NA","SUR","70","-99","NA","YES","0.192","TF1-MW-1008-091317","1040","10","-99",

"TF1-MW-1008-091317DUP","SW846 8082A","RES","1716099-DUP1","ESAI","11096-82-5","Aroclor-1260","0.192","◆g/l","U","0.0818","MDL","TARGET","0.192","RDL","YES","-99","TF1-MW-1008-091317","1040","10","0.192",

"TF1-MW-1008-091317DUP","SW846 8082A","RES","1716099-DUP1","ESAI","11096-82-5","Aroclor-1260 [2C]","0.192","◆g/l","U","0.111","MDL","TARGET","0.192","RDL","YES","-99","TF1-MW-1008-091317","1040","10","0.192",

"TF1-MW-1008-091317DUP","SW846 8082A","RES","1716099-DUP1","ESAI","11097-69-1","Aroclor-1254","0.192","◆g/l","U","0.112","MDL","TARGET","0.192","RDL","YES","-99","TF1-MW-1008-091317","1040","10","0.192",

"TF1-MW-1008-091317DUP","SW846 8082A","RES","1716099-DUP1","ESAI","11097-69-1","Aroclor-1254 [2C]","0.192","◆g/l","U","0.109","MDL","TARGET","0.192","RDL","YES","-99","TF1-MW-1008-091317","1040","10","0.192",

"TF1-MW-1008-091317DUP","SW846 8082A","RES","1716099-DUP1","ESAI","11100-14-4","Aroclor-1268","0.192","◆g/l","U","0.0880","MDL","TARGET","0.192","RDL","YES","-99","TF1-MW-1008-091317","1040","10","0.192",

"TF1-MW-1008-091317DUP","SW846 8082A","RES","1716099-DUP1","ESAI","11100-14-4","Aroclor-1268 [2C]","0.192","◆g/l","U","0.114","MDL","TARGET","0.192","RDL","YES","-99","TF1-MW-1008-091317","1040","10","0.192",

"TF1-MW-1008-091317DUP","SW846 8082A","RES","1716099-DUP1","ESAI","11104-28-2","Aroclor-1221","0.192","◆g/l","U","0.111","MDL","TARGET","0.192","RDL","YES","-99","TF1-MW-1008-091317","1040","10","0.192",

"TF1-MW-1008-091317DUP","SW846 8082A","RES","1716099-DUP1","ESAI","11104-28-2","Aroclor-1221 [2C]","0.192","◆g/l","U","0.173","MDL","TARGET","0.192","RDL","YES","-99","TF1-MW-1008-091317","1040","10","0.192",

"TF1-MW-1008-091317DUP","SW846 8082A","RES","1716099-DUP1","ESAI","11141-16-5","Aroclor-1232","0.192","◆g/l","U","0.107","MDL","TARGET","0.192","RDL","YES","-99","TF1-MW-1008-091317","1040","10","0.192",

"TF1-MW-1008-091317DUP","SW846 8082A","RES","1716099-DUP1","ESAI","11141-16-5","Aroclor-1232 [2C]","0.192","◆g/l","U","0.0815","MDL","TARGET","0.192","RDL","YES","-99","TF1-MW-1008-091317","1040","10","0.192",

"TF1-MW-1008-091317DUP","SW846 8082A","RES","1716099-DUP1","ESAI","12672-29-6","Aroclor-1248","0.192","◆g/l","U","0.131","MDL","TARGET","0.192","RDL","YES","-99","TF1-MW-1008-091317","1040","10","0.192",

"TF1-MW-1008-091317DUP","SW846 8082A","RES","1716099-DUP1","ESAI","12672-29-6","Aroclor-1248 [2C]","0.192","◆g/l","U","0.120","MDL","TARGET","0.192","RDL","YES","-99","TF1-MW-1008-091317","1040","10","0.192",

"TF1-MW-1008-091317DUP","SW846 8082A","RES","1716099-DUP1","ESAI","12674-11-2","Aroclor-1016","0.192","◆g/l","U","0.100","MDL","TARGET","0.192","RDL","YES","-99","TF1-MW-1008-091317","1040","10","0.192",

"TF1-MW-1008-091317DUP","SW846 8082A","RES","1716099-DUP1","ESAI","12674-11-2","Aroclor-1016 [2C]","0.192","◆g/l","U","0.117","MDL","TARGET","0.192","RDL","YES","-99","TF1-MW-1008-091317","1040","10","0.192",

"TF1-MW-1008-091317DUP","SW846 8082A","RES","1716099-DUP1","ESAI","2051-24-3","Decachlorobiphenyl (Sr)","0.115","◆g/l","-99","NA","SUR","60","-99","NA","YES","0.192","TF1-MW-1008-091317","1040","10","-99",

"TF1-MW-1008-091317DUP","SW846 8082A","RES","1716099-DUP1","ESAI","2051-24-3","Decachlorobiphenyl (Sr) [2C]","0.144","◆g/l","-99","NA","SUR","75","-99","NA","YES","0.192","TF1-MW-1008-091317","1040","10","-99",

"TF1-MW-1008-091317DUP","SW846 8082A","RES","1716099-DUP1","ESAI","37324-23-5","Aroclor-1262","0.192","g/l","U","0.0862","MDL","TARGET","0.192","RDL","YES","-99","TF1-MW-1008-091317","1040","10","0.192",

"TF1-MW-1008-091317DUP","SW846 8082A","RES","1716099-DUP1","ESAI","37324-23-5","Aroclor-1262 [2C]","0.192","g/l","U","0.122","MDL","TARGET","0.192","RDL","YES","-99","TF1-MW-1008-091317","1040","10","0.192",

"TF1-MW-1008-091317DUP","SW846 8082A","RES","1716099-DUP1","ESAI","53469-21-9","Aroclor-1242","0.192","g/l","U","0.103","MDL","TARGET","0.192","RDL","YES","-99","TF1-MW-1008-091317","1040","10","0.192",

"TF1-MW-1008-091317DUP","SW846 8082A","RES","1716099-DUP1","ESAI","53469-21-9","Aroclor-1242 [2C]","0.192","g/l","U","0.101","MDL","TARGET","0.192","RDL","YES","-99","TF1-MW-1008-091317","1040","10","0.192",

"TF1-MW-1008-091317DUP","SW846 8082A","RES","1716099-DUP1","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS)","0.0200","g/ml","-99","NA","ISTD","122","-99","NA","YES","10.0","TF1-MW-1008-091317","1040","10","-99",

"TF1-MW-1008-091317DUP","SW846 8082A","RES","1716099-DUP1","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS) [2C]","0.0200","g/ml","-99","NA","ISTD","106","-99","NA","YES","10.0","TF1-MW-1008-091317","1040","10","-99",

"TF1-MW-7-091317","EPA 200/6000 methods","RES","SC39221-06","ESAI","NA","Preservation","0","N/A","-99","NA","TARGET","-99","NA","YES","-99","1","1","-99","Field Preserved; pH<2 confirmed"

"TF1-MW-7-091317","EPA 245.1/7470A","RES","SC39221-06","ESAI","7439-97-6","Mercury","0.00020","mg/l","U","0.00013","MDL","TARGET","0.00020","RDL","YES","-99","20","20","0.00020",

"TF1-MW-7-091317","EPA 300.0","RES","SC39221-06","ESAI","14797-55-8","Nitrate as N","0.100","mg/l","U","0.007","MDL","TARGET","0.100","RDL","YES","-99","5","5","0.100",

"TF1-MW-7-091317","EPA 300.0","RES","SC39221-06","ESAI","14808-79-8","Sulfate as SO4","37.4","mg/l","0.798","MDL","TARGET","1.00","RDL","YES","-99","5","5","1.00",

"TF1-MW-7-091317","EPA 300.0","RES","SC39221-06","ESAI","16887-00-6","Chloride","21.3","mg/l","0.0994","MDL","TARGET","1.00","RDL","YES","-99","5","5","0.100",

"TF1-MW-7-091317","EPA 537 Modified","RES","SC39221-06","ESAI","1763-23-1","Perfluorooctanesulfonate","16","ng/l","2","MDL","TARGET","6","RDL","YES","-99","-99",

"TF1-MW-7-091317","EPA 537 Modified","RES","SC39221-06","ESAI","1763-23-1L","13C8-PFOS","33","ng/l","-99","NA","SUR","69","-99","NA","YES","48","-99",

"TF1-MW-7-091317","EPA 537 Modified","RES","SC39221-06","ESAI","2058-94-8","Perfluoroundecanoic acid","0","ng/l","1","MDL","TARGET","3","RDL","YES","-99","-99","<",

"TF1-MW-7-091317","EPA 537 Modified","RES","SC39221-06","ESAI","2058-94-8L","13C7-PFUnDA","36","ng/l","-99","NA","SUR","73","-99","NA","YES","50","-99",

"TF1-MW-7-091317","EPA 537 Modified","RES","SC39221-06","ESAI","2706-90-3","Perfluoropentanoic Acid","10","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99",

"TF1-MW-7-091317","EPA 537 Modified","RES","SC39221-06","ESAI","2706-90-3L","13C5-PFPeA","36","ng/l","-99","NA","SUR","72","-99","NA","YES","50","-99",

"TF1-MW-7-091317","EPA 537 Modified","RES","SC39221-06","ESAI","307-24-4","Perfluorohexanoic acid","19","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99",

"TF1-MW-7-091317","EPA 537 Modified","RES","SC39221-06","ESAI","307-24-4L","13C5-PFHxA","38","ng/l","-99","NA","SUR","76","-99","NA","YES","50","-99",

"TF1-MW-7-091317","EPA 537 Modified","RES","SC39221-06","ESAI","307-55-1","Perfluorododecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<",

"TF1-MW-7-091317","EPA 537 Modified","RES","SC39221-06","ESAI","307-55-1L","13C2-PFDoDA","32","ng/l","-99","NA","SUR","64","-99","NA","YES","50","-99",

"TF1-MW-7-091317","EPA 537 Modified","RES","SC39221-06","ESAI","335-67-1","Perfluorooctanoic acid","7","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99",

"TF1-MW-7-091317","EPA 537 Modified","RES","SC39221-06","ESAI","335-67-1L","13C8-PFOA","33","ng/l","-99","NA","SUR","66","-99","NA","YES","50","-99",

"TF1-MW-7-091317","EPA 537 Modified","RES","SC39221-06","ESAI","335-76-2","Perfluorodecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<",

"TF1-MW-7-091317","EPA 537 Modified","RES","SC39221-06","ESAI","335-76-2L","13C6-

PFDA", "38", "ng/l", "-99", "NA", "SUR", "76", "-99", "NA", "YES", "50", "-99",
"TF1-MW-7-091317", "EPA 537 Modified", "RES", "SC39221-06", "ESAI", "335-77-
3", "Perfluorodecanesulfonate", "0", "ng/l", "2", "MDL", "TARGET", "6", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-7-091317", "EPA 537 Modified", "RES", "SC39221-06", "ESAI", "355-46-
4", "Perfluorohexanesulfonate", "52", "ng/l", "1", "MDL", "TARGET", "3", "RDL", "YES", "-99", "-99",
"TF1-MW-7-091317", "EPA 537 Modified", "RES", "SC39221-06", "ESAI", "355-46-4L", "13C3-
PFHxS", "34", "ng/l", "-99", "NA", "SUR", "73", "-99", "NA", "YES", "47", "-99",
"TF1-MW-7-091317", "EPA 537 Modified", "RES", "SC39221-06", "ESAI", "375-22-4", "Perfluorobutanoic
Acid", "8", "ng/l", "Ja", "3", "MDL", "TARGET", "10", "RDL", "YES", "-99", "-99",
"TF1-MW-7-091317", "EPA 537 Modified", "RES", "SC39221-06", "ESAI", "375-22-4L", "13C4-
PFBA", "37", "ng/l", "-99", "NA", "SUR", "74", "-99", "NA", "YES", "50", "-99",
"TF1-MW-7-091317", "EPA 537 Modified", "RES", "SC39221-06", "ESAI", "375-73-
5", "Perfluorobutanesulfonate", "12", "ng/l", "0.8", "MDL", "TARGET", "3", "RDL", "YES", "-99", "-99",
"TF1-MW-7-091317", "EPA 537 Modified", "RES", "SC39221-06", "ESAI", "375-73-5L", "13C3-
PFBS", "37", "ng/l", "-99", "NA", "SUR", "81", "-99", "NA", "YES", "46", "-99",
"TF1-MW-7-091317", "EPA 537 Modified", "RES", "SC39221-06", "ESAI", "375-85-9", "Perfluoroheptanoic
acid", "4", "ng/l", "0.5", "MDL", "TARGET", "2", "RDL", "YES", "-99", "-99",
"TF1-MW-7-091317", "EPA 537 Modified", "RES", "SC39221-06", "ESAI", "375-85-9L", "13C4-
PFHpA", "35", "ng/l", "-99", "NA", "SUR", "70", "-99", "NA", "YES", "50", "-99",
"TF1-MW-7-091317", "EPA 537 Modified", "RES", "SC39221-06", "ESAI", "375-92-
8", "Perfluoroheptanesulfonate", "0", "ng/l", "2", "MDL", "TARGET", "6", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-7-091317", "EPA 537 Modified", "RES", "SC39221-06", "ESAI", "375-95-1", "Perfluorononanoic
acid", "0", "ng/l", "0.6", "MDL", "TARGET", "2", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-7-091317", "EPA 537 Modified", "RES", "SC39221-06", "ESAI", "375-95-1L", "13C9-
PFNA", "35", "ng/l", "-99", "NA", "SUR", "70", "-99", "NA", "YES", "50", "-99",
"TF1-MW-7-091317", "EPA 537 Modified", "RES", "SC39221-06", "ESAI", "376-06-7", "Perfluorotetradecanoic
acid", "0", "ng/l", "0.5", "MDL", "TARGET", "2", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-7-091317", "EPA 537 Modified", "RES", "SC39221-06", "ESAI", "376-06-7L", "13C2-
PFTeDA", "31", "ng/l", "-99", "NA", "SUR", "62", "-99", "NA", "YES", "50", "-99",
"TF1-MW-7-091317", "EPA 537 Modified", "RES", "SC39221-06", "ESAI", "72629-94-8", "Perfluorotridecanoic
acid", "0", "ng/l", "0.5", "MDL", "TARGET", "2", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-7-091317", "EPA 537 Modified", "RES", "SC39221-06", "ESAI", "754-91-
6", "PFOSA", "0", "ng/l", "3", "MDL", "TARGET", "9", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-7-091317", "EPA 537 Modified", "RES", "SC39221-06", "ESAI", "754-91-6L", "13C8-
PFOSA", "26", "ng/l", "-99", "NA", "SUR", "52", "-99", "NA", "YES", "50", "-99",
"TF1-MW-7-091317", "Mod EPA 3C/SOP RSK-175", "RES", "SC39221-06", "ESAI", "74-82-
8", "Methane", "2.20", "g/l", "U", "2.16", "MDL", "TARGET", "2.20", "RDL", "YES", "-99", "10", "10", "2.20",
"TF1-MW-7-091317", "Mod EPA 3C/SOP RSK-175", "RES", "SC39221-06", "ESAI", "74-84-
0", "Ethane", "5.00", "g/l", "U", "3.48", "MDL", "TARGET", "5.00", "RDL", "YES", "-99", "10", "10", "5.00",
"TF1-MW-7-091317", "SM18-22 5210B", "RES", "SC39221-06", "ESAI", "NA", "Biochemical Oxygen Demand (5-
day)", "2.97", "mg/l", "BOD4, U", "2.74", "MDL", "TARGET", "3.00", "RDL", "YES", "-99", "300", "300", "2.97",
"TF1-MW-7-091317", "SM2320B (97, 11)", "RES", "SC39221-06", "ESAI", "NA", "Total Alkalinity", "41.6", "mg/l
CaCO3", "0.524", "MDL", "TARGET", "2.00", "RDL", "YES", "-99", "100", "50", "1.50",
"TF1-MW-7-091317", "SM5310B (00, 11)", "RES", "SC39221-06", "ESAI", "NA", "Total Organic
Carbon", "0.475", "mg/l", "J", "0.238", "MDL", "TARGET", "1.00", "RDL", "YES", "-99", "40", "40", "0.500",
"TF1-MW-7-091317", "SW846 6010C", "RES", "SC39221-06", "ESAI", "7429-90-
5", "Aluminum", "0.0500", "mg/l", "U", "0.0206", "MDL", "TARGET", "0.0500", "RDL", "YES", "-99", "50", "50", "0.05
00",
"TF1-MW-7-091317", "SW846 6010C", "RES", "SC39221-06", "ESAI", "7439-89-
6", "Iron", "21.9", "mg/l", "R06", "0.0089", "MDL", "TARGET", "0.0800", "RDL", "YES", "-99", "50", "50", "0.0300",
"TF1-MW-7-091317", "SW846 6010C", "RES", "SC39221-06", "ESAI", "7439-95-
4", "Magnesium", "6.63", "mg/l", "0.0088", "MDL", "TARGET", "0.0200", "RDL", "YES", "-99", "50", "50", "0.0100",
"TF1-MW-7-091317", "SW846 6010C", "RES", "SC39221-06", "ESAI", "7440-09-
7", "Potassium", "0.572", "mg/l", "J", "0.120", "MDL", "TARGET", "1.00", "RDL", "YES", "-99", "50", "50", "0.250",
"TF1-MW-7-091317", "SW846 6010C", "RES", "SC39221-06", "ESAI", "7440-23-
5", "Sodium", "9.30", "mg/l", "0.0785", "MDL", "TARGET", "0.500", "RDL", "YES", "-99", "50", "50", "0.250",
"TF1-MW-7-091317", "SW846 6010C", "RES", "SC39221-06", "ESAI", "7440-70-

2", "Calcium", "12.1", "mg/l", "0.0142", "MDL", "TARGET", "0.200", "RDL", "YES", "-99", "50", "50", "0.0500",
"TF1-MW-7-091317", "SW-846 6020A", "RES", "SC39221-06", "ESAI", "7439-92-
1", "Lead", "0", "mg/l", "0.00011", "MDL", "TARGET", "0.0020", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-7-091317", "SW-846 6020A", "RES", "SC39221-06", "ESAI", "7439-96-
5", "Manganese", "4.34", "mg/l", "0.00090", "MDL", "TARGET", "0.0040", "RDL", "YES", "-99", "-99",
"TF1-MW-7-091317", "SW-846 6020A", "RES", "SC39221-06", "ESAI", "7439-98-
7", "Molybdenum", "0", "mg/l", "0.00025", "MDL", "TARGET", "0.0010", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-7-091317", "SW-846 6020A", "RES", "SC39221-06", "ESAI", "7440-02-
0", "Nickel", "0.104", "mg/l", "0.0010", "MDL", "TARGET", "0.0040", "RDL", "YES", "-99", "-99",
"TF1-MW-7-091317", "SW-846 6020A", "RES", "SC39221-06", "ESAI", "7440-22-
4", "Silver", "0", "mg/l", "0.00015", "MDL", "TARGET", "0.0010", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-7-091317", "SW-846 6020A", "RES", "SC39221-06", "ESAI", "7440-28-
0", "Thallium", "0", "mg/l", "0.00012", "MDL", "TARGET", "0.0010", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-7-091317", "SW-846 6020A", "RES", "SC39221-06", "ESAI", "7440-36-
0", "Antimony", "0", "mg/l", "0.00045", "MDL", "TARGET", "0.0020", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-7-091317", "SW-846 6020A", "RES", "SC39221-06", "ESAI", "7440-38-
2", "Arsenic", "0.0042", "mg/l", "0.00072", "MDL", "TARGET", "0.0040", "RDL", "YES", "-99", "-99",
"TF1-MW-7-091317", "SW-846 6020A", "RES", "SC39221-06", "ESAI", "7440-39-
3", "Barium", "0.0090", "mg/l", "0.00072", "MDL", "TARGET", "0.0040", "RDL", "YES", "-99", "-99",
"TF1-MW-7-091317", "SW-846 6020A", "RES", "SC39221-06", "ESAI", "7440-41-
7", "Beryllium", "0.00017", "mg/l", "Ja", "0.000071", "MDL", "TARGET", "0.0010", "RDL", "YES", "-99", "-99",
"TF1-MW-7-091317", "SW-846 6020A", "RES", "SC39221-06", "ESAI", "7440-43-
9", "Cadmium", "0", "mg/l", "0.00015", "MDL", "TARGET", "0.0010", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-7-091317", "SW-846 6020A", "RES", "SC39221-06", "ESAI", "7440-47-
3", "Chromium", "0", "mg/l", "0.00087", "MDL", "TARGET", "0.0040", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-7-091317", "SW-846 6020A", "RES", "SC39221-06", "ESAI", "7440-48-
4", "Cobalt", "0.0947", "mg/l", "0.00016", "MDL", "TARGET", "0.0010", "RDL", "YES", "-99", "-99",
"TF1-MW-7-091317", "SW-846 6020A", "RES", "SC39221-06", "ESAI", "7440-50-
8", "Copper", "0", "mg/l", "0.00054", "MDL", "TARGET", "0.0040", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-7-091317", "SW-846 6020A", "RES", "SC39221-06", "ESAI", "7440-62-
2", "Vanadium", "0", "mg/l", "0.00021", "MDL", "TARGET", "0.0010", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-7-091317", "SW-846 6020A", "RES", "SC39221-06", "ESAI", "7440-66-
6", "Zinc", "0.0981", "mg/l", "0.0039", "MDL", "TARGET", "0.0300", "RDL", "YES", "-99", "-99",
"TF1-MW-7-091317", "SW-846 6020A", "RES", "SC39221-06", "ESAI", "7782-49-
2", "Selenium", "0", "mg/l", "0.00050", "MDL", "TARGET", "0.0040", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-7-091317", "SW-846 8015B", "RES", "SC39221-06", "ESAI", "108-90-
7", "Chlorobenzene", "0.010", "mg/l", "-99", "NA", "SUR", "76", "-99", "NA", "YES", "0.014", "-99",
"TF1-MW-7-091317", "SW-846 8015B", "RES", "SC39221-06", "ESAI", "84-15-
1", "Orthoterphenyl", "0.012", "mg/l", "-99", "NA", "SUR", "90", "-99", "NA", "YES", "0.014", "-99",
"TF1-MW-7-091317", "SW-846 8015B", "RES", "SC39221-06", "ESAI", "PHCC8C44", "C8-
C44", "0", "mg/l", "0.057", "MDL", "TARGET", "0.23", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-7-091317", "SW-846 8015B", "RES", "SC39221-06", "ESAI", "PHCE", "Total
TPH", "0", "mg/l", "0.057", "MDL", "TARGET", "0.23", "RDL", "YES", "-99", "-99", "<"
"TF1-MW-7-091317", "SW846 8081B", "RES", "SC39221-06", "ESAI", "1024-57-3", "Heptachlor
epoxide", "0.021", "g/l", "U", "0.016", "MDL", "TARGET", "0.021", "RDL", "YES", "-99", "960", "10", "0.021",
"TF1-MW-7-091317", "SW846 8081B", "RES", "SC39221-06", "ESAI", "1031-07-8", "Endosulfan
sulfate", "0.021", "g/l", "U", "0.021", "MDL", "TARGET", "0.042", "RDL", "YES", "-99", "960", "10", "0.021",
"TF1-MW-7-091317", "SW846 8081B", "RES", "SC39221-06", "ESAI", "10386-84-2", "4,4-DB-Octafluorobiphenyl
(Sr) [2C]", "0.0873", "g/l", "-99", "NA", "SUR", "42", "-99", "NA", "YES", "0.208", "960", "10", "-99",
"TF1-MW-7-091317", "SW846 8081B", "RES", "SC39221-06", "ESAI", "15972-60-
8", "Alachlor", "0.021", "g/l", "U", "0.020", "MDL", "TARGET", "0.021", "RDL", "YES", "-99", "960", "10", "0.021",
"TF1-MW-7-091317", "SW846 8081B", "RES", "SC39221-06", "ESAI", "2051-24-3", "Decachlorobiphenyl (Sr)
[2C]", "0.106", "g/l", "-99", "NA", "SUR", "51", "-99", "NA", "YES", "0.208", "960", "10", "-99",
"TF1-MW-7-091317", "SW846 8081B", "RES", "SC39221-06", "ESAI", "309-00-
2", "Aldrin", "0.021", "g/l", "U", "0.016", "MDL", "TARGET", "0.021", "RDL", "YES", "-99", "960", "10", "0.021",
"TF1-MW-7-091317", "SW846 8081B", "RES", "SC39221-06", "ESAI", "319-84-6", "alpha-
BHC", "0.021", "g/l", "U", "0.012", "MDL", "TARGET", "0.021", "RDL", "YES", "-99", "960", "10", "0.021",

"TF1-MW-7-091317","SW846 8081B","RES","SC39221-06","ESAI","319-85-7","beta-BHC","0.021","g/l","U","0.015","MDL","TARGET","0.021","RDL","YES","-99","960","10","0.021",
"TF1-MW-7-091317","SW846 8081B","RES","SC39221-06","ESAI","319-86-8","delta-BHC","0.021","g/l","U","0.016","MDL","TARGET","0.021","RDL","YES","-99","960","10","0.021",
"TF1-MW-7-091317","SW846 8081B","RES","SC39221-06","ESAI","33213-65-9","Endosulfan II","0.021","g/l","U","0.021","MDL","TARGET","0.042","RDL","YES","-99","960","10","0.021",
"TF1-MW-7-091317","SW846 8081B","RES","SC39221-06","ESAI","50-29-3","4,4'-DDT (p,p)","0.031","g/l","U","0.018","MDL","TARGET","0.042","RDL","YES","-99","960","10","0.031",
"TF1-MW-7-091317","SW846 8081B","RES","SC39221-06","ESAI","5103-71-9","alpha-Chlordane","0.021","g/l","U","0.016","MDL","TARGET","0.021","RDL","YES","-99","960","10","0.021",
"TF1-MW-7-091317","SW846 8081B","RES","SC39221-06","ESAI","5103-74-2","Chlordane (gamma) (trans)","0.021","g/l","U","0.017","MDL","TARGET","0.021","RDL","YES","-99","960","10","0.021",
"TF1-MW-7-091317","SW846 8081B","RES","SC39221-06","ESAI","53494-70-5","Endrin ketone","0.021","g/l","U","0.018","MDL","TARGET","0.042","RDL","YES","-99","960","10","0.021",
"TF1-MW-7-091317","SW846 8081B","RES","SC39221-06","ESAI","57-74-9","Chlordane","0.068","g/l","U","0.053","MDL","TARGET","0.068","RDL","YES","-99","960","10","0.068",
"TF1-MW-7-091317","SW846 8081B","RES","SC39221-06","ESAI","58-89-9","gamma-BHC (Lindane)","0.021","g/l","U","0.018","MDL","TARGET","0.021","RDL","YES","-99","960","10","0.021",
"TF1-MW-7-091317","SW846 8081B","RES","SC39221-06","ESAI","60-57-1","Dieldrin","0.021","g/l","U","0.018","MDL","TARGET","0.021","RDL","YES","-99","960","10","0.021",
"TF1-MW-7-091317","SW846 8081B","RES","SC39221-06","ESAI","72-20-8","Endrin","0.021","g/l","U","0.020","MDL","TARGET","0.042","RDL","YES","-99","960","10","0.021",
"TF1-MW-7-091317","SW846 8081B","RES","SC39221-06","ESAI","72-43-5","Methoxychlor","0.021","g/l","U","0.019","MDL","TARGET","0.042","RDL","YES","-99","960","10","0.021",
"TF1-MW-7-091317","SW846 8081B","RES","SC39221-06","ESAI","72-54-8","4,4'-DDD (p,p)","0.021","g/l","U","0.019","MDL","TARGET","0.042","RDL","YES","-99","960","10","0.021",
"TF1-MW-7-091317","SW846 8081B","RES","SC39221-06","ESAI","72-55-9","4,4'-DDE (p,p)","0.021","g/l","U","0.019","MDL","TARGET","0.021","RDL","YES","-99","960","10","0.021",
"TF1-MW-7-091317","SW846 8081B","RES","SC39221-06","ESAI","7421-93-4","Endrin aldehyde","0.021","g/l","U","0.020","MDL","TARGET","0.042","RDL","YES","-99","960","10","0.021",
"TF1-MW-7-091317","SW846 8081B","RES","SC39221-06","ESAI","76-44-8","Heptachlor","0.021","g/l","U","0.020","MDL","TARGET","0.021","RDL","YES","-99","960","10","0.021",
"TF1-MW-7-091317","SW846 8081B","RES","SC39221-06","ESAI","8001-35-2","Toxaphene","0.521","g/l","U","0.342","MDL","TARGET","0.521","RDL","YES","-99","960","10","0.521",
"TF1-MW-7-091317","SW846 8081B","RES","SC39221-06","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS) [2C]","0.020","g/ml","-99","NA","ISTD","77","-99","NA","YES","10.0","960","10","-99",
"TF1-MW-7-091317","SW846 8081B","RES","SC39221-06","ESAI","959-98-8","Endosulfan I","0.021","g/l","U","0.017","MDL","TARGET","0.021","RDL","YES","-99","960","10","0.021",
"TF1-MW-7-091317","SW846 8082A","RES","SC39221-06","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl (Sr)","0.135","g/l","-99","NA","SUR","65","-99","NA","YES","0.208","960","10","-99",
"TF1-MW-7-091317","SW846 8082A","RES","SC39221-06","ESAI","11096-82-5","Aroclor-1260","0.208","g/l","U","0.0886","MDL","TARGET","0.208","RDL","YES","-99","960","10","0.208",
"TF1-MW-7-091317","SW846 8082A","RES","SC39221-06","ESAI","11097-69-1","Aroclor-1254","0.208","g/l","U","0.121","MDL","TARGET","0.208","RDL","YES","-99","960","10","0.208",
"TF1-MW-7-091317","SW846 8082A","RES","SC39221-06","ESAI","11100-14-4","Aroclor-1268","0.208","g/l","U","0.0953","MDL","TARGET","0.208","RDL","YES","-99","960","10","0.208",
"TF1-MW-7-091317","SW846 8082A","RES","SC39221-06","ESAI","11104-28-2","Aroclor-1221","0.208","g/l","U","0.120","MDL","TARGET","0.208","RDL","YES","-99","960","10","0.208",
"TF1-MW-7-091317","SW846 8082A","RES","SC39221-06","ESAI","11141-16-5","Aroclor-1232","0.208","g/l","U","0.116","MDL","TARGET","0.208","RDL","YES","-99","960","10","0.208",
"TF1-MW-7-091317","SW846 8082A","RES","SC39221-06","ESAI","12672-29-6","Aroclor-1248","0.208","g/l","U","0.142","MDL","TARGET","0.208","RDL","YES","-99","960","10","0.208",
"TF1-MW-7-091317","SW846 8082A","RES","SC39221-06","ESAI","12674-11-2","Aroclor-

1016", "0.208", "g/l", "U", "0.108", "MDL", "TARGET", "0.208", "RDL", "YES", "-99", "960", "10", "0.208",
"TF1-MW-7-091317", "SW846 8082A", "RES", "SC39221-06", "ESAI", "2051-24-3", "Decachlorobiphenyl
(Sr)", "0.156", "g/l", "-99", "NA", "SUR", "75", "-99", "NA", "YES", "0.208", "960", "10", "-99",
"TF1-MW-7-091317", "SW846 8082A", "RES", "SC39221-06", "ESAI", "37324-23-5", "Aroclor-
1262", "0.208", "g/l", "U", "0.0933", "MDL", "TARGET", "0.208", "RDL", "YES", "-99", "960", "10", "0.208",
"TF1-MW-7-091317", "SW846 8082A", "RES", "SC39221-06", "ESAI", "53469-21-9", "Aroclor-
1242", "0.208", "g/l", "U", "0.112", "MDL", "TARGET", "0.208", "RDL", "YES", "-99", "960", "10", "0.208",
"TF1-MW-7-091317", "SW846 8082A", "RES", "SC39221-06", "ESAI", "877-09-8", "2,4,5,6-TC-M-Xylene
(IS)", "0.0200", "g/ml", "-99", "NA", "ISTD", "107", "-99", "NA", "YES", "10.0", "960", "10", "-99",
"TF1-MW-7-091317", "SW846 8260C", "RES", "SC39221-06", "ESAI", "100-41-
4", "Ethylbenzene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-MW-7-091317", "SW846 8260C", "RES", "SC39221-06", "ESAI", "100-42-
5", "Styrene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-MW-7-091317", "SW846 8260C", "RES", "SC39221-06", "ESAI", "10061-01-5", "cis-1,3-
Dichloropropene", "0.5", "g/l", "U", "0.4", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-MW-7-091317", "SW846 8260C", "RES", "SC39221-06", "ESAI", "10061-02-6", "trans-1,3-
Dichloropropene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-MW-7-091317", "SW846 8260C", "RES", "SC39221-06", "ESAI", "106-46-7", "1,4-
Dichlorobenzene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-MW-7-091317", "SW846 8260C", "RES", "SC39221-06", "ESAI", "106-93-4", "1,2-Dibromoethane
(EDB)", "0.5", "g/l", "U", "0.2", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-MW-7-091317", "SW846 8260C", "RES", "SC39221-06", "ESAI", "107-06-2", "1,2-
Dichloroethane", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-MW-7-091317", "SW846 8260C", "RES", "SC39221-06", "ESAI", "108-10-1", "4-Methyl-2-pentanone
(MIBK)", "2.0", "g/l", "U", "0.5", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-MW-7-091317", "SW846 8260C", "RES", "SC39221-06", "ESAI", "108-87-
2", "Methylcyclohexane", "2.0", "g/l", "U", "0.7", "MDL", "TARGET", "5.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-MW-7-091317", "SW846 8260C", "RES", "SC39221-06", "ESAI", "108-88-
3", "Toluene", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-MW-7-091317", "SW846 8260C", "RES", "SC39221-06", "ESAI", "108-90-
7", "Chlorobenzene", "0.5", "g/l", "U", "0.2", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-MW-7-091317", "SW846 8260C", "RES", "SC39221-06", "ESAI", "110-82-
7", "Cyclohexane", "2.0", "g/l", "U", "0.8", "MDL", "TARGET", "5.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-MW-7-091317", "SW846 8260C", "RES", "SC39221-06", "ESAI", "120-82-1", "1,2,4-
Trichlorobenzene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-MW-7-091317", "SW846 8260C", "RES", "SC39221-06", "ESAI", "124-48-
1", "Dibromochloromethane", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-MW-7-091317", "SW846 8260C", "RES", "SC39221-06", "ESAI", "127-18-
4", "Tetrachloroethene", "1.0", "g/l", "U", "0.6", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-MW-7-091317", "SW846 8260C", "RES", "SC39221-06", "ESAI", "156-59-2", "cis-1,2-
Dichloroethene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-MW-7-091317", "SW846 8260C", "RES", "SC39221-06", "ESAI", "156-60-5", "trans-1,2-
Dichloroethene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-MW-7-091317", "SW846 8260C", "RES", "SC39221-06", "ESAI", "1634-04-4", "Methyl tert-butyl
ether", "6.8", "g/l", "0.2", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-MW-7-091317", "SW846 8260C", "RES", "SC39221-06", "ESAI", "17060-07-0", "1,2-Dichloroethane-
d4", "52.8", "g/l", "-99", "NA", "SUR", "106", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-MW-7-091317", "SW846 8260C", "RES", "SC39221-06", "ESAI", "179601-23-1", "m,p-
Xylene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-MW-7-091317", "SW846 8260C", "RES", "SC39221-06", "ESAI", "1868-53-
7", "Dibromofluoromethane", "49.2", "g/l", "-99", "NA", "SUR", "98", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-MW-7-091317", "SW846 8260C", "RES", "SC39221-06", "ESAI", "2037-26-5", "Toluene-
d8", "48.3", "g/l", "-99", "NA", "SUR", "97", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-MW-7-091317", "SW846 8260C", "RES", "SC39221-06", "ESAI", "3114-55-4", "Chlorobenzene-
d5", "50.0", "g/l", "-99", "NA", "ISTD", "96", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-MW-7-091317", "SW846 8260C", "RES", "SC39221-06", "ESAI", "3855-82-1", "1,4-Dichlorobenzene-
d4", "50.0", "g/l", "-99", "NA", "ISTD", "82", "-99", "NA", "YES", "50.0", "5", "5", "-99",

"TF1-MW-7-091317","SW846 8260C","RES","SC39221-06","ESAI","460-00-4","4-Bromofluorobenzene","44.8","g/l","-99","NA","SUR","90","-99","NA","YES","50.0","5","5","-99",
"TF1-MW-7-091317","SW846 8260C","RES","SC39221-06","ESAI","462-06-6","Fluorobenzene","50.0","g/l","-99","NA","ISTD","98","-99","NA","YES","50.0","5","5","-99",
"TF1-MW-7-091317","SW846 8260C","RES","SC39221-06","ESAI","541-73-1","1,3-Dichlorobenzene","0.5","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-MW-7-091317","SW846 8260C","RES","SC39221-06","ESAI","56-23-5","Carbon tetrachloride","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-MW-7-091317","SW846 8260C","RES","SC39221-06","ESAI","591-78-6","2-Hexanone (MBK)","2.0","g/l","U","0.5","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-MW-7-091317","SW846 8260C","RES","SC39221-06","ESAI","67-64-1","Acetone","2.0","g/l","U","0.8","MDL","TARGET","10.0","RDL","YES","-99","5","5","2.0",
"TF1-MW-7-091317","SW846 8260C","RES","SC39221-06","ESAI","67-66-3","Chloroform","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-MW-7-091317","SW846 8260C","RES","SC39221-06","ESAI","71-43-2","Benzene","0.5","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-MW-7-091317","SW846 8260C","RES","SC39221-06","ESAI","71-55-6","1,1,1-Trichloroethane","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-MW-7-091317","SW846 8260C","RES","SC39221-06","ESAI","74-83-9","Bromomethane","2.0","g/l","U","0.9","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-MW-7-091317","SW846 8260C","RES","SC39221-06","ESAI","74-87-3","Chloromethane","1.0","g/l","U","0.4","MDL","TARGET","2.0","RDL","YES","-99","5","5","1.0",
"TF1-MW-7-091317","SW846 8260C","RES","SC39221-06","ESAI","74-97-5","Bromochloromethane","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-MW-7-091317","SW846 8260C","RES","SC39221-06","ESAI","75-00-3","Chloroethane","2.0","g/l","U","0.6","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-MW-7-091317","SW846 8260C","RES","SC39221-06","ESAI","75-01-4","Vinyl chloride","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-MW-7-091317","SW846 8260C","RES","SC39221-06","ESAI","75-09-2","Methylene chloride","2.0","g/l","U","0.7","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-MW-7-091317","SW846 8260C","RES","SC39221-06","ESAI","75-15-0","Carbon disulfide","1.0","g/l","U","0.4","MDL","TARGET","2.0","RDL","YES","-99","5","5","1.0",
"TF1-MW-7-091317","SW846 8260C","RES","SC39221-06","ESAI","75-25-2","Bromoform","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-MW-7-091317","SW846 8260C","RES","SC39221-06","ESAI","75-27-4","Bromodichloromethane","0.5","g/l","U","0.4","MDL","TARGET","0.5","RDL","YES","-99","5","5","0.5",
"TF1-MW-7-091317","SW846 8260C","RES","SC39221-06","ESAI","75-34-3","1,1-Dichloroethane","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-MW-7-091317","SW846 8260C","RES","SC39221-06","ESAI","75-35-4","1,1-Dichloroethene","1.0","g/l","U","0.7","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-MW-7-091317","SW846 8260C","RES","SC39221-06","ESAI","75-69-4","Trichlorofluoromethane (Freon 11)","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-MW-7-091317","SW846 8260C","RES","SC39221-06","ESAI","75-71-8","Dichlorodifluoromethane (Freon12)","2.0","g/l","U","0.6","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-MW-7-091317","SW846 8260C","RES","SC39221-06","ESAI","76-13-1","1,1,2-Trichlorotrifluoroethane (Freon 113)","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-MW-7-091317","SW846 8260C","RES","SC39221-06","ESAI","78-87-5","1,2-Dichloropropane","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-MW-7-091317","SW846 8260C","RES","SC39221-06","ESAI","78-93-3","2-Butanone (MEK)","2.0","g/l","U","1.1","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-MW-7-091317","SW846 8260C","RES","SC39221-06","ESAI","79-00-5","1,1,2-Trichloroethane","0.5","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-MW-7-091317","SW846 8260C","RES","SC39221-06","ESAI","79-01-6","Trichloroethene","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-MW-7-091317","SW846 8260C","RES","SC39221-06","ESAI","79-20-9","Methyl acetate","2.0","g/l","U","0.6","MDL","TARGET","5.0","RDL","YES","-99","5","5","2.0",
"TF1-MW-7-091317","SW846 8260C","RES","SC39221-06","ESAI","79-34-5","1,1,2,2-

Tetrachloroethane", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-MW-7-091317", "SW846 8260C", "RES", "SC39221-06", "ESAI", "87-61-6", "1,2,3-
Trichlorobenzene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-MW-7-091317", "SW846 8260C", "RES", "SC39221-06", "ESAI", "95-47-6", "o-
Xylene", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-MW-7-091317", "SW846 8260C", "RES", "SC39221-06", "ESAI", "95-50-1", "1,2-
Dichlorobenzene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-MW-7-091317", "SW846 8260C", "RES", "SC39221-06", "ESAI", "96-12-8", "1,2-Dibromo-3-
chloropropane", "2.0", "g/l", "U", "0.9", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-MW-7-091317", "SW846 8260C", "RES", "SC39221-06", "ESAI", "98-82-
8", "Isopropylbenzene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-MW-7-091317", "SW846 8270D", "RES", "SC39221-06", "ESAI", "1146-65-2", "Naphthalene-
d8", "40.0", "g/ml", "-99", "NA", "ISTD", "85", "-99", "NA", "YES", "40.0", "980", "1", "-99",
"TF1-MW-7-091317", "SW846 8270D", "RES", "SC39221-06", "ESAI", "120-12-
7", "Anthracene", "1.02", "g/l", "U", "0.620", "MDL", "TARGET", "5.10", "RDL", "YES", "-99", "980", "1", "1.02",
"TF1-MW-7-091317", "SW846 8270D", "RES", "SC39221-06", "ESAI", "129-00-
0", "Pyrene", "1.02", "g/l", "U", "0.622", "MDL", "TARGET", "5.10", "RDL", "YES", "-99", "980", "1", "1.02",
"TF1-MW-7-091317", "SW846 8270D", "RES", "SC39221-06", "ESAI", "15067-26-2", "Acenaphthene-
d10", "40.0", "g/ml", "-99", "NA", "ISTD", "80", "-99", "NA", "YES", "40.0", "980", "1", "-99",
"TF1-MW-7-091317", "SW846 8270D", "RES", "SC39221-06", "ESAI", "1517-22-2", "Phenanthrene-
d10", "40.0", "g/ml", "-99", "NA", "ISTD", "80", "-99", "NA", "YES", "40.0", "980", "1", "-99",
"TF1-MW-7-091317", "SW846 8270D", "RES", "SC39221-06", "ESAI", "1520-96-3", "Perylene-
d12", "40.0", "g/ml", "-99", "NA", "ISTD", "77", "-99", "NA", "YES", "40.0", "980", "1", "-99",
"TF1-MW-7-091317", "SW846 8270D", "RES", "SC39221-06", "ESAI", "1718-51-0", "Terphenyl-
d14", "34.3", "g/l", "-99", "NA", "SUR", "67", "-99", "NA", "YES", "51.0", "980", "1", "-99",
"TF1-MW-7-091317", "SW846 8270D", "RES", "SC39221-06", "ESAI", "1719-03-5", "Chrysene-
d12", "40.0", "g/ml", "-99", "NA", "ISTD", "82", "-99", "NA", "YES", "40.0", "980", "1", "-99",
"TF1-MW-7-091317", "SW846 8270D", "RES", "SC39221-06", "ESAI", "191-24-2", "Benzo (g,h,i)
perylene", "1.02", "g/l", "U", "0.541", "MDL", "TARGET", "5.10", "RDL", "YES", "-99", "980", "1", "1.02",
"TF1-MW-7-091317", "SW846 8270D", "RES", "SC39221-06", "ESAI", "193-39-5", "Indeno (1,2,3-cd)
pyrene", "1.02", "g/l", "U", "0.592", "MDL", "TARGET", "5.10", "RDL", "YES", "-99", "980", "1", "1.02",
"TF1-MW-7-091317", "SW846 8270D", "RES", "SC39221-06", "ESAI", "205-99-2", "Benzo (b)
fluoranthene", "1.02", "g/l", "U", "0.446", "MDL", "TARGET", "5.10", "RDL", "YES", "-99", "980", "1", "1.02",
"TF1-MW-7-091317", "SW846 8270D", "RES", "SC39221-06", "ESAI", "206-44-
0", "Fluoranthene", "1.02", "g/l", "U", "0.651", "MDL", "TARGET", "5.10", "RDL", "YES", "-99", "980", "1", "1.02",
"TF1-MW-7-091317", "SW846 8270D", "RES", "SC39221-06", "ESAI", "207-08-9", "Benzo (k)
fluoranthene", "1.02", "g/l", "U", "0.490", "MDL", "TARGET", "5.10", "RDL", "YES", "-99", "980", "1", "1.02",
"TF1-MW-7-091317", "SW846 8270D", "RES", "SC39221-06", "ESAI", "208-96-
8", "Acenaphthylene", "1.02", "g/l", "U", "0.697", "MDL", "TARGET", "5.10", "RDL", "YES", "-99", "980", "1", "1.02",
"TF1-MW-7-091317", "SW846 8270D", "RES", "SC39221-06", "ESAI", "218-01-
9", "Chrysene", "1.02", "g/l", "U", "0.543", "MDL", "TARGET", "5.10", "RDL", "YES", "-99", "980", "1", "1.02",
"TF1-MW-7-091317", "SW846 8270D", "RES", "SC39221-06", "ESAI", "321-60-8", "2-
Fluorobiphenyl", "26.5", "g/l", "-99", "NA", "SUR", "52", "-99", "NA", "YES", "51.0", "980", "1", "-99",
"TF1-MW-7-091317", "SW846 8270D", "RES", "SC39221-06", "ESAI", "4165-60-0", "Nitrobenzene-
d5", "24.5", "g/l", "-99", "NA", "SUR", "48", "-99", "NA", "YES", "51.0", "980", "1", "-99",
"TF1-MW-7-091317", "SW846 8270D", "RES", "SC39221-06", "ESAI", "50-32-8", "Benzo (a)
pyrene", "1.02", "g/l", "U", "0.573", "MDL", "TARGET", "5.10", "RDL", "YES", "-99", "980", "1", "1.02",
"TF1-MW-7-091317", "SW846 8270D", "RES", "SC39221-06", "ESAI", "53-70-3", "Dibenzo (a,h)
anthracene", "1.02", "g/l", "U", "0.459", "MDL", "TARGET", "5.10", "RDL", "YES", "-99", "980", "1", "1.02",
"TF1-MW-7-091317", "SW846 8270D", "RES", "SC39221-06", "ESAI", "56-55-3", "Benzo (a)
anthracene", "1.02", "g/l", "U", "0.547", "MDL", "TARGET", "5.10", "RDL", "YES", "-99", "980", "1", "1.02",
"TF1-MW-7-091317", "SW846 8270D", "RES", "SC39221-06", "ESAI", "83-32-
9", "Acenaphthene", "1.02", "g/l", "U", "0.705", "MDL", "TARGET", "5.10", "RDL", "YES", "-99", "980", "1", "1.02",
"TF1-MW-7-091317", "SW846 8270D", "RES", "SC39221-06", "ESAI", "85-01-
8", "Phenanthrene", "1.02", "g/l", "U", "0.598", "MDL", "TARGET", "5.10", "RDL", "YES", "-99", "980", "1", "1.02",
"TF1-MW-7-091317", "SW846 8270D", "RES", "SC39221-06", "ESAI", "86-73-

7", "Fluorene", "1.02", "g/l", "U", "0.624", "MDL", "TARGET", "5.10", "RDL", "YES", "-99", "980", "1", "1.02",
"TF1-MW-7-091317", "SW846 8270D", "RES", "SC39221-06", "ESAI", "90-12-0", "1-
Methylnaphthalene", "1.02", "g/l", "U", "0.748", "MDL", "TARGET", "5.10", "RDL", "YES", "-99", "980", "1", "1.02",
"TF1-MW-7-091317", "SW846 8270D", "RES", "SC39221-06", "ESAI", "91-20-
3", "Naphthalene", "1.02", "g/l", "U", "0.699", "MDL", "TARGET", "5.10", "RDL", "YES", "-99", "980", "1", "1.02",
"TF1-MW-7-091317", "SW846 8270D", "RES", "SC39221-06", "ESAI", "91-57-6", "2-
Methylnaphthalene", "1.02", "g/l", "U", "0.586", "MDL", "TARGET", "5.10", "RDL", "YES", "-99", "980", "1", "1.02",
"TF1-MW-7-091317DUP", "EPA 245.1/7470A", "RES", "1716319-DUP1", "ESAI", "7439-97-
6", "Mercury", "0.00053", "mg/l", "0.00013", "MDL", "TARGET", "0.00020", "RDL", "YES", "-99", "TF1-MW-7-
091317", "20", "20", "0.00020",
"TF1-MW-7-091317DUP", "EPA 300.0", "RES", "1715756-DUP2", "ESAI", "14797-55-8", "Nitrate as
N", "0.100", "mg/l", "U", "0.007", "MDL", "TARGET", "0.100", "RDL", "YES", "-99", "TF1-MW-7-
091317", "5", "5", "0.100",
"TF1-MW-7-091317DUP", "EPA 300.0", "RES", "1715756-DUP2", "ESAI", "14808-79-8", "Sulfate as
SO4", "37.5", "mg/l", "0.798", "MDL", "TARGET", "0.1", "1.00", "RDL", "YES", "-99", "TF1-MW-7-
091317", "5", "5", "1.00",
"TF1-MW-7-091317DUP", "EPA 300.0", "RES", "1715756-DUP2", "ESAI", "16887-00-
6", "Chloride", "21.3", "mg/l", "0.0994", "MDL", "TARGET", "0.08", "1.00", "RDL", "YES", "-99", "TF1-MW-7-
091317", "5", "5", "0.100",
"TF1-MW-7-091317DUP", "Mod EPA 3C/SOP RSK-175", "RES", "1716073-DUP1", "ESAI", "74-82-
8", "Methane", "2.20", "g/l", "U", "2.16", "MDL", "TARGET", "2.20", "RDL", "YES", "-99", "TF1-MW-7-
091317", "10", "10", "2.20",
"TF1-MW-7-091317DUP", "Mod EPA 3C/SOP RSK-175", "RES", "1716073-DUP1", "ESAI", "74-84-
0", "Ethane", "5.00", "g/l", "U", "3.48", "MDL", "TARGET", "5.00", "RDL", "YES", "-99", "TF1-MW-7-
091317", "10", "10", "5.00",
"TF1-MW-7-091317DUP", "SM2320B (97, 11)", "RES", "1715985-DUP1", "ESAI", "NA", "Total
Alkalinity", "41.1", "mg/l CaCO3", "0.524", "MDL", "TARGET", "1", "2.00", "RDL", "YES", "-99", "TF1-MW-7-
091317", "100", "50", "1.50",
"TF1-MW-7-091317DUP", "SM5310B (00, 11)", "RES", "1716292-DUP1", "ESAI", "NA", "Total Organic
Carbon", "0.484", "mg/l", "J", "0.238", "MDL", "TARGET", "2", "1.00", "RDL", "YES", "-99", "TF1-MW-7-
091317", "40", "40", "0.500",
"TF1-MW-7-091317DUP", "SW846 6010C", "RES", "1716317-DUP1", "ESAI", "7429-90-
5", "Aluminum", "0.0500", "mg/l", "U", "0.0206", "MDL", "TARGET", "0.0500", "RDL", "YES", "-99", "TF1-MW-7-
091317", "50", "50", "0.0500",
"TF1-MW-7-091317DUP", "SW846 6010C", "RES", "1716317-DUP1", "ESAI", "7439-95-
4", "Magnesium", "6.19", "mg/l", "0.0088", "MDL", "TARGET", "7", "0.0200", "RDL", "YES", "-99", "TF1-MW-7-
091317", "50", "50", "0.0100",
"TF1-MW-7-091317DUP", "SW846 6010C", "RES", "1716317-DUP1", "ESAI", "7440-23-
5", "Sodium", "8.73", "mg/l", "0.0785", "MDL", "TARGET", "6", "0.500", "RDL", "YES", "-99", "TF1-MW-7-
091317", "50", "50", "0.250",
"TF1-MW-7-091317DUP", "SW846 6010C", "RES", "1716317-DUP1", "ESAI", "7440-70-
2", "Calcium", "11.6", "mg/l", "0.0142", "MDL", "TARGET", "4", "0.200", "RDL", "YES", "-99", "TF1-MW-7-
091317", "50", "50", "0.0500",
"TF1-MW-7-091317DUP", "SW846 6010C", "RES", "1716540-DUP1", "ESAI", "7439-89-
6", "Iron", "21.4", "mg/l", "R06", "0.0089", "MDL", "TARGET", "2", "0.0800", "RDL", "YES", "-99", "TF1-MW-7-
091317", "50", "50", "0.0300",
"TF1-MW-7-091317DUP", "SW846 6010C", "RES", "1716540-DUP1", "ESAI", "7440-09-
7", "Potassium", "0.530", "mg/l", "J", "0.120", "MDL", "TARGET", "8", "1.00", "RDL", "YES", "-99", "TF1-MW-7-
091317", "50", "50", "0.250",
"TF1-MW-7-091317MS", "EPA 245.1/7470A", "RES", "1716319-MS1", "ESAI", "7439-97-
6", "Mercury", "0.00472", "mg/l", "0.00013", "MDL", "SPIKE", "94", "0.00020", "RDL", "YES", "0.00500", "TF1-MW-
7-091317", "20", "20", "0.00020",
"TF1-MW-7-091317MS", "EPA 300.0", "RES", "1715756-MS2", "ESAI", "14797-55-8", "Nitrate as
N", "0.745", "mg/l", "0.007", "MDL", "SPIKE", "93", "0.100", "RDL", "YES", "0.800", "TF1-MW-7-
091317", "5", "5", "0.100",

"TF1-MW-7-091317MS","EPA 300.0","RES","1715756-MS2","ESAI","14808-79-8","Sulfate as SO4","44.4","mg/l","QM4X","0.798","MDL","SPIKE","88","1.00","RDL","YES","8.00","TF1-MW-7-091317","5","5","1.00",
"TF1-MW-7-091317MS","EPA 300.0","RES","1715756-MS2","ESAI","16887-00-6","Chloride","28.8","mg/l","0.0994","MDL","SPIKE","94","1.00","RDL","YES","8.00","TF1-MW-7-091317","5","5","0.100",
"TF1-MW-7-091317MS","SM18-22 5210B","RES","1715902-MS1","ESAI","NA","Biochemical Oxygen Demand (5-day)","53.0","mg/l","2.74","MDL","SPIKE","89","30.0","RDL","YES","59.4","TF1-MW-7-091317","300","300","2.97",
"TF1-MW-7-091317MS","SM2320B (97, 11)","RES","1715985-MS1","ESAI","NA","Total Alkalinity","46.6","mg/l CaCO3","QM9","0.524","MDL","SPIKE","20","2.00","RDL","YES","25.0","TF1-MW-7-091317","100","50","1.50",
"TF1-MW-7-091317MS","SM5310B (00, 11)","RES","1716292-MS1","ESAI","NA","Total Organic Carbon","5.15","mg/l","0.238","MDL","SPIKE","93","1.00","RDL","YES","5.00","TF1-MW-7-091317","40","40","0.500",
"TF1-MW-7-091317MS","SW846 6010C","RES","1716317-MS1","ESAI","7429-90-5","Aluminum","2.68","mg/l","0.0206","MDL","SPIKE","107","0.0500","RDL","YES","2.50","TF1-MW-7-091317","50","50","0.0500",
"TF1-MW-7-091317MS","SW846 6010C","RES","1716317-MS1","ESAI","7439-95-4","Magnesium","8.92","mg/l","0.0088","MDL","SPIKE","92","0.0200","RDL","YES","2.50","TF1-MW-7-091317","50","50","0.0100",
"TF1-MW-7-091317MS","SW846 6010C","RES","1716317-MS1","ESAI","7440-23-5","Sodium","21.1","mg/l","0.0785","MDL","SPIKE","95","0.500","RDL","YES","12.5","TF1-MW-7-091317","50","50","0.250",
"TF1-MW-7-091317MS","SW846 6010C","RES","1716317-MS1","ESAI","7440-70-2","Calcium","25.2","mg/l","0.0142","MDL","SPIKE","105","0.200","RDL","YES","12.5","TF1-MW-7-091317","50","50","0.0500",
"TF1-MW-7-091317MS","SW846 6010C","RES","1716540-MS1","ESAI","7439-89-6","Iron","24.4","mg/l","0.0089","MDL","SPIKE","99","0.0800","RDL","YES","2.50","TF1-MW-7-091317","50","50","0.0300",
"TF1-MW-7-091317MS","SW846 6010C","RES","1716540-MS1","ESAI","7440-09-7","Potassium","24.9","mg/l","0.120","MDL","SPIKE","97","1.00","RDL","YES","25.0","TF1-MW-7-091317","50","50","0.250",
"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","1024-57-3","Heptachlor epoxide","0.438","g/l","0.017","MDL","SPIKE","81","0.022","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",
"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","1024-57-3","Heptachlor epoxide [2C]","0.444","g/l","0.016","MDL","SPIKE","82","0.022","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",
"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","1031-07-8","Endosulfan sulfate","0.501","g/l","0.022","MDL","SPIKE","92","0.043","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",
"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","1031-07-8","Endosulfan sulfate [2C]","0.580","g/l","0.018","MDL","SPIKE","107","0.043","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",
"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl (Sr)","0.251","g/l","-99","NA","SUR","115","-99","NA","YES","0.217","TF1-MW-7-091317","920","10","-99",
"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl (Sr) [2C]","0.268","g/l","-99","NA","SUR","123","-99","NA","YES","0.217","TF1-MW-7-091317","920","10","-99",
"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","15972-60-8","Alachlor","0.528","g/l","0.021","MDL","SPIKE","97","0.022","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",
"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","15972-60-8","Alachlor [2C]","0.523","g/l","0.019","MDL","SPIKE","96","0.022","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",

"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","2051-24-3","Decachlorobiphenyl (Sr)","0.174","◆g/l","-99","NA","SUR","80","-99","NA","YES","0.217","TF1-MW-7-091317","920","10","-99",
"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","2051-24-3","Decachlorobiphenyl (Sr) [2C]","0.160","◆g/l","-99","NA","SUR","73","-99","NA","YES","0.217","TF1-MW-7-091317","920","10","-99",
"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","309-00-2","Aldrin","0.359","◆g/l","0.017","MDL","SPIKE","66","0.022","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",
"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","309-00-2","Aldrin [2C]","0.349","◆g/l","0.020","MDL","SPIKE","64","0.022","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",
"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","319-84-6","alpha-BHC","0.386","◆g/l","0.013","MDL","SPIKE","71","0.022","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",
"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","319-84-6","alpha-BHC [2C]","0.410","◆g/l","0.019","MDL","SPIKE","75","0.022","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",
"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","319-85-7","beta-BHC","0.450","◆g/l","0.016","MDL","SPIKE","83","0.022","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",
"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","319-85-7","beta-BHC [2C]","0.517","◆g/l","0.021","MDL","SPIKE","95","0.022","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",
"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","319-86-8","delta-BHC","0.438","◆g/l","0.017","MDL","SPIKE","81","0.022","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",
"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","319-86-8","delta-BHC [2C]","0.494","◆g/l","0.021","MDL","SPIKE","91","0.022","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",
"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","33213-65-9","Endosulfan II","0.485","◆g/l","0.022","MDL","SPIKE","89","0.043","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",
"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","33213-65-9","Endosulfan II [2C]","0.534","◆g/l","0.017","MDL","SPIKE","98","0.043","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",
"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","50-29-3","4,4'-DDT (p,p')","0.403","◆g/l","0.019","MDL","SPIKE","74","0.043","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.033",
"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","50-29-3","4,4'-DDT (p,p') [2C]","0.420","◆g/l","0.024","MDL","SPIKE","77","0.043","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.033",
"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","5103-71-9","alpha-Chlordane","0.452","◆g/l","0.017","MDL","SPIKE","83","0.022","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",
"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","5103-71-9","alpha-Chlordane [2C]","0.467","◆g/l","0.019","MDL","SPIKE","86","0.022","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",
"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","5103-74-2","Chlordane (gamma) (trans)","0.463","◆g/l","0.018","MDL","SPIKE","85","0.022","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",
"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","5103-74-2","Chlordane (gamma) (trans) [2C]","0.461","◆g/l","0.015","MDL","SPIKE","85","0.022","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",
"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","53494-70-5","Endrin ketone","0.431","◆g/l","0.019","MDL","SPIKE","79","0.043","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",

"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","53494-70-5","Endrin ketone [2C]","0.500","◆g/l","0.020","MDL","SPIKE","92","0.043","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",

"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","58-89-9","gamma-BHC (Lindane)","0.398","◆g/l","0.019","MDL","SPIKE","73","0.022","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",

"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","58-89-9","gamma-BHC (Lindane) [2C]","0.433","◆g/l","0.019","MDL","SPIKE","80","0.022","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",

"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","60-57-1","Dieldrin","0.473","◆g/l","0.018","MDL","SPIKE","87","0.022","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",

"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","60-57-1","Dieldrin [2C]","0.440","◆g/l","0.020","MDL","SPIKE","81","0.022","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",

"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","72-20-8","Endrin","0.570","◆g/l","0.021","MDL","SPIKE","105","0.043","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",

"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","72-20-8","Endrin [2C]","0.546","◆g/l","0.021","MDL","SPIKE","101","0.043","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",

"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","72-43-5","Methoxychlor","0.501","◆g/l","0.020","MDL","SPIKE","92","0.043","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",

"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","72-43-5","Methoxychlor [2C]","0.469","◆g/l","0.020","MDL","SPIKE","86","0.043","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",

"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","72-54-8","4,4'-DDD (p,p')","0.503","◆g/l","0.020","MDL","SPIKE","92","0.043","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",

"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","72-54-8","4,4'-DDD (p,p') [2C]","0.526","◆g/l","0.019","MDL","SPIKE","97","0.043","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",

"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","72-55-9","4,4'-DDE (p,p')","0.443","◆g/l","0.019","MDL","SPIKE","82","0.022","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",

"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","72-55-9","4,4'-DDE (p,p') [2C]","0.420","◆g/l","0.019","MDL","SPIKE","77","0.022","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",

"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","7421-93-4","Endrin aldehyde","0.531","◆g/l","0.021","MDL","SPIKE","98","0.043","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",

"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","7421-93-4","Endrin aldehyde [2C]","0.535","◆g/l","0.019","MDL","SPIKE","98","0.043","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",

"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","76-44-8","Heptachlor","0.370","◆g/l","0.021","MDL","SPIKE","68","0.022","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",

"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","76-44-8","Heptachlor [2C]","0.435","◆g/l","0.021","MDL","SPIKE","80","0.022","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",

"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS)","0.020","◆g/ml","-99","NA","ISTD","85","-99","NA","YES","10.0","TF1-MW-7-091317","920","10","-99",

"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS) [2C]","0.020","◆g/ml","-99","NA","ISTD","88","-99","NA","YES","10.0","TF1-MW-7-091317","920","10","-99",

"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","959-98-8","Endosulfan I","0.455","◆g/l","0.018","MDL","SPIKE","84","0.022","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",

"TF1-MW-7-091317MS","SW846 8081B","RES","1715920-MS2","ESAI","959-98-8","Endosulfan I [2C]","0.490","◆g/l","0.017","MDL","SPIKE","90","0.022","RDL","YES","0.543","TF1-MW-7-091317","920","10","0.022",

"TF1-MW-7-091317MS","SW846 8082A","RES","1716099-MS1","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl (Sr)","0.153","◆g/l","-99","NA","SUR","75","-99","NA","YES","0.204","TF1-MW-7-091317","980","10","-99",

"TF1-MW-7-091317MS","SW846 8082A","RES","1716099-MS1","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl (Sr) [2C]","0.153","◆g/l","-99","NA","SUR","75","-99","NA","YES","0.204","TF1-MW-7-091317","980","10","-99",

"TF1-MW-7-091317MS","SW846 8082A","RES","1716099-MS1","ESAI","11096-82-5","Aroclor-1260","1.96","◆g/l","0.0868","MDL","SPIKE","77","0.204","RDL","YES","2.55","TF1-MW-7-091317","980","10","0.204",

"TF1-MW-7-091317MS","SW846 8082A","RES","1716099-MS1","ESAI","11096-82-5","Aroclor-1260 [2C]","2.31","◆g/l","0.118","MDL","SPIKE","90","0.204","RDL","YES","2.55","TF1-MW-7-091317","980","10","0.204",

"TF1-MW-7-091317MS","SW846 8082A","RES","1716099-MS1","ESAI","12674-11-2","Aroclor-1016","1.78","◆g/l","0.106","MDL","SPIKE","70","0.204","RDL","YES","2.55","TF1-MW-7-091317","980","10","0.204",

"TF1-MW-7-091317MS","SW846 8082A","RES","1716099-MS1","ESAI","12674-11-2","Aroclor-1016 [2C]","2.09","◆g/l","0.124","MDL","SPIKE","82","0.204","RDL","YES","2.55","TF1-MW-7-091317","980","10","0.204",

"TF1-MW-7-091317MS","SW846 8082A","RES","1716099-MS1","ESAI","2051-24-3","Decachlorobiphenyl (Sr)","0.184","◆g/l","-99","NA","SUR","90","-99","NA","YES","0.204","TF1-MW-7-091317","980","10","-99",

"TF1-MW-7-091317MS","SW846 8082A","RES","1716099-MS1","ESAI","2051-24-3","Decachlorobiphenyl (Sr) [2C]","0.214","◆g/l","-99","NA","SUR","105","-99","NA","YES","0.204","TF1-MW-7-091317","980","10","-99",

"TF1-MW-7-091317MS","SW846 8082A","RES","1716099-MS1","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS)","0.0200","◆g/ml","-99","NA","ISTD","112","-99","NA","YES","10.0","TF1-MW-7-091317","980","10","-99",

"TF1-MW-7-091317MS","SW846 8082A","RES","1716099-MS1","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS) [2C]","0.0200","◆g/ml","-99","NA","ISTD","92","-99","NA","YES","10.0","TF1-MW-7-091317","980","10","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","100-41-4","Ethylbenzene","17.4","◆g/l","-99","NA","SPIKE","87","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","100-42-5","Styrene","17.5","◆g/l","-99","NA","SPIKE","88","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","10061-01-5","cis-1,3-Dichloropropene","14.1","◆g/l","QM7","-99","NA","SPIKE","70","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","10061-02-6","trans-1,3-Dichloropropene","14.3","◆g/l","QM7","-99","NA","SPIKE","72","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","106-46-7","1,4-Dichlorobenzene","17.2","◆g/l","-99","NA","SPIKE","86","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","106-93-4","1,2-Dibromoethane (EDB)","20.2","◆g/l","-99","NA","SPIKE","101","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","107-06-2","1,2-Dichloroethane","18.8","◆g/l","-99","NA","SPIKE","94","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","108-10-1","4-Methyl-2-pentanone

(MIBK),"17.9","g/l","-99","NA","SPIKE","89","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",
"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","108-87-
2","Methylcyclohexane","13.3","g/l","QM7","-99","NA","SPIKE","67","-99","NA","YES","20.0","TF1-MW-7-
091317","5","5","-99",
"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","108-88-
3","Toluene","18.2","g/l","-99","NA","SPIKE","91","-99","NA","YES","20.0","TF1-MW-7-
091317","5","5","-99",
"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","108-90-
7","Chlorobenzene","19.3","g/l","-99","NA","SPIKE","96","-99","NA","YES","20.0","TF1-MW-7-
091317","5","5","-99",
"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","110-82-
7","Cyclohexane","14.9","g/l","-99","NA","SPIKE","75","-99","NA","YES","20.0","TF1-MW-7-
091317","5","5","-99",
"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","120-82-1","1,2,4-
Trichlorobenzene","15.8","g/l","-99","NA","SPIKE","79","-99","NA","YES","20.0","TF1-MW-7-
091317","5","5","-99",
"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","124-48-
1","Dibromochloromethane","19.4","g/l","-99","NA","SPIKE","97","-99","NA","YES","20.0","TF1-MW-7-
091317","5","5","-99",
"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","127-18-
4","Tetrachloroethene","17.5","g/l","-99","NA","SPIKE","87","-99","NA","YES","20.0","TF1-MW-7-
091317","5","5","-99",
"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","156-59-2","cis-1,2-
Dichloroethene","17.3","g/l","-99","NA","SPIKE","86","-99","NA","YES","20.0","TF1-MW-7-
091317","5","5","-99",
"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","156-60-5","trans-1,2-
Dichloroethene","16.7","g/l","-99","NA","SPIKE","84","-99","NA","YES","20.0","TF1-MW-7-
091317","5","5","-99",
"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","1634-04-4","Methyl tert-butyl
ether","25.3","g/l","-99","NA","SPIKE","92","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",
"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","17060-07-0","1,2-Dichloroethane-
d4","51.2","g/l","-99","NA","SUR","102","-99","NA","YES","50.0","TF1-MW-7-091317","5","5","-99",
"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","179601-23-1","m,p-
Xylene","17.5","g/l","-99","NA","SPIKE","88","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",
"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","1868-53-
7","Dibromofluoromethane","51.2","g/l","-99","NA","SUR","102","-99","NA","YES","50.0","TF1-MW-7-
091317","5","5","-99",
"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","2037-26-5","Toluene-
d8","51.1","g/l","-99","NA","SUR","102","-99","NA","YES","50.0","TF1-MW-7-091317","5","5","-99",
"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","3114-55-4","Chlorobenzene-
d5","50.0","g/l","-99","NA","ISTD","98","-99","NA","YES","50.0","TF1-MW-7-091317","5","5","-99",
"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","3855-82-1","1,4-Dichlorobenzene-
d4","50.0","g/l","-99","NA","ISTD","98","-99","NA","YES","50.0","TF1-MW-7-091317","5","5","-99",
"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","460-00-4","4-
Bromofluorobenzene","52.1","g/l","-99","NA","SUR","104","-99","NA","YES","50.0","TF1-MW-7-
091317","5","5","-99",
"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","462-06-
6","Fluorobenzene","50.0","g/l","-99","NA","ISTD","98","-99","NA","YES","50.0","TF1-MW-7-
091317","5","5","-99",
"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","541-73-1","1,3-
Dichlorobenzene","18.8","g/l","-99","NA","SPIKE","94","-99","NA","YES","20.0","TF1-MW-7-
091317","5","5","-99",
"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","56-23-5","Carbon
tetrachloride","19.4","g/l","-99","NA","SPIKE","97","-99","NA","YES","20.0","TF1-MW-7-
091317","5","5","-99",
"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","591-78-6","2-Hexanone
(MBK),"18.6","g/l","-99","NA","SPIKE","93","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","67-64-1","Acetone","24.3","◆g/l","-99","NA","SPIKE","121","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","67-66-3","Chloroform","18.7","◆g/l","-99","NA","SPIKE","94","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","71-43-2","Benzene","18.5","◆g/l","-99","NA","SPIKE","92","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","71-55-6","1,1,1-Trichloroethane","19.1","◆g/l","-99","NA","SPIKE","95","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","74-83-9","Bromomethane","16.0","◆g/l","-99","NA","SPIKE","80","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","74-87-3","Chloromethane","15.5","◆g/l","-99","NA","SPIKE","77","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","74-97-5","Bromochloromethane","17.5","◆g/l","-99","NA","SPIKE","87","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","75-00-3","Chloroethane","16.1","◆g/l","-99","NA","SPIKE","81","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","75-01-4","Vinyl chloride","15.8","◆g/l","-99","NA","SPIKE","79","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","75-09-2","Methylene chloride","16.6","◆g/l","-99","NA","SPIKE","83","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","75-15-0","Carbon disulfide","15.1","◆g/l","-99","NA","SPIKE","75","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","75-25-2","Bromoform","20.7","◆g/l","-99","NA","SPIKE","103","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","75-27-4","Bromodichloromethane","20.2","◆g/l","-99","NA","SPIKE","101","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","75-34-3","1,1-Dichloroethane","17.4","◆g/l","-99","NA","SPIKE","87","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","75-35-4","1,1-Dichloroethene","16.7","◆g/l","-99","NA","SPIKE","84","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","75-69-4","Trichlorofluoromethane (Freon 11)","16.4","◆g/l","-99","NA","SPIKE","82","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","75-71-8","Dichlorodifluoromethane (Freon12)","12.3","◆g/l","-99","NA","SPIKE","62","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","76-13-1","1,1,2-Trichlorotrifluoroethane (Freon 113)","14.0","◆g/l","-99","NA","SPIKE","70","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","78-87-5","1,2-Dichloropropane","18.0","◆g/l","-99","NA","SPIKE","90","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","78-93-3","2-Butanone (MEK)","21.0","◆g/l","-99","NA","SPIKE","105","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","79-00-5","1,1,2-Trichloroethane","19.6"," \diamond g/l","-99","NA","SPIKE","98","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","79-01-6","Trichloroethene","18.1"," \diamond g/l","-99","NA","SPIKE","90","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","79-20-9","Methyl acetate","5.4"," \diamond g/l","QM7","-99","NA","SPIKE","27","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","79-34-5","1,1,2,2-Tetrachloroethane","20.3"," \diamond g/l","-99","NA","SPIKE","102","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","87-61-6","1,2,3-Trichlorobenzene","16.7"," \diamond g/l","-99","NA","SPIKE","84","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","95-47-6","o-Xylene","18.1"," \diamond g/l","-99","NA","SPIKE","90","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","95-50-1","1,2-Dichlorobenzene","18.6"," \diamond g/l","-99","NA","SPIKE","93","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","96-12-8","1,2-Dibromo-3-chloropropane","18.4"," \diamond g/l","-99","NA","SPIKE","92","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8260C","RES","1716331-MS1","ESAI","98-82-8","Isopropylbenzene","18.5"," \diamond g/l","-99","NA","SPIKE","93","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",

"TF1-MW-7-091317MS","SW846 8270D","RES","1716100-MS1","ESAI","1146-65-2","Naphthalene-d8","40.0"," \diamond g/ml","-99","NA","ISTD","106","-99","NA","YES","40.0","TF1-MW-7-091317","940","1","-99",

"TF1-MW-7-091317MS","SW846 8270D","RES","1716100-MS1","ESAI","120-12-7","Anthracene","30.9"," \diamond g/l","0.647","MDL","SPIKE","58","5.32","RDL","YES","53.2","TF1-MW-7-091317","940","1","1.06",

"TF1-MW-7-091317MS","SW846 8270D","RES","1716100-MS1","ESAI","129-00-0","Pyrene","29.4"," \diamond g/l","QM7","0.649","MDL","SPIKE","55","5.32","RDL","YES","53.2","TF1-MW-7-091317","940","1","1.06",

"TF1-MW-7-091317MS","SW846 8270D","RES","1716100-MS1","ESAI","15067-26-2","Acenaphthene-d10","40.0"," \diamond g/ml","-99","NA","ISTD","107","-99","NA","YES","40.0","TF1-MW-7-091317","940","1","-99",

"TF1-MW-7-091317MS","SW846 8270D","RES","1716100-MS1","ESAI","1517-22-2","Phenanthrene-d10","40.0"," \diamond g/ml","-99","NA","ISTD","103","-99","NA","YES","40.0","TF1-MW-7-091317","940","1","-99",

"TF1-MW-7-091317MS","SW846 8270D","RES","1716100-MS1","ESAI","1520-96-3","Perylene-d12","40.0"," \diamond g/ml","-99","NA","ISTD","111","-99","NA","YES","40.0","TF1-MW-7-091317","940","1","-99",

"TF1-MW-7-091317MS","SW846 8270D","RES","1716100-MS1","ESAI","1718-51-0","Terphenyl-d14","34.5"," \diamond g/l","-99","NA","SUR","65","-99","NA","YES","53.2","TF1-MW-7-091317","940","1","-99",

"TF1-MW-7-091317MS","SW846 8270D","RES","1716100-MS1","ESAI","1719-03-5","Chrysene-d12","40.0"," \diamond g/ml","-99","NA","ISTD","111","-99","NA","YES","40.0","TF1-MW-7-091317","940","1","-99",

"TF1-MW-7-091317MS","SW846 8270D","RES","1716100-MS1","ESAI","191-24-2","Benzo (g,h,i) perylene","31.3"," \diamond g/l","0.564","MDL","SPIKE","59","5.32","RDL","YES","53.2","TF1-MW-7-091317","940","1","1.06",

"TF1-MW-7-091317MS","SW846 8270D","RES","1716100-MS1","ESAI","193-39-5","Indeno (1,2,3-cd) pyrene","33.3"," \diamond g/l","0.617","MDL","SPIKE","63","5.32","RDL","YES","53.2","TF1-MW-7-091317","940","1","1.06",

"TF1-MW-7-091317MS","SW846 8270D","RES","1716100-MS1","ESAI","205-99-2","Benzo (b) fluoranthene","32.3"," \diamond g/l","0.465","MDL","SPIKE","61","5.32","RDL","YES","53.2","TF1-MW-7-091317","940","1","1.06",

"TF1-MW-7-091317MS","SW846 8270D","RES","1716100-MS1","ESAI","206-44-0","Fluoranthene","30.3"," \diamond g/l","0.679","MDL","SPIKE","57","5.32","RDL","YES","53.2","TF1-MW-7-091317","940","1","1.06",

"TF1-MW-7-091317MS","SW846 8270D","RES","1716100-MS1","ESAI","207-08-9","Benzo (k) fluoranthene","34.0"," \diamond g/l","0.511","MDL","SPIKE","64","5.32","RDL","YES","53.2","TF1-MW-7-091317","940","1","1.06",

"TF1-MW-7-091317MS","SW846 8270D","RES","1716100-MS1","ESAI","208-96-8","Acenaphthylene","29.6"," \diamond g/l","0.727","MDL","SPIKE","56","5.32","RDL","YES","53.2","TF1-MW-7-091317","940","1","1.06",

"TF1-MW-7-091317MS","SW846 8270D","RES","1716100-MS1","ESAI","218-01-9","Chrysene","31.9"," \diamond g/l","0.566","MDL","SPIKE","60","5.32","RDL","YES","53.2","TF1-MW-7-091317","940","1","1.06",

"TF1-MW-7-091317MS","SW846 8270D","RES","1716100-MS1","ESAI","321-60-8","2-Fluorobiphenyl","31.0"," \diamond g/l","-99","NA","SUR","58","-99","NA","YES","53.2","TF1-MW-7-091317","940","1","-99",

"TF1-MW-7-091317MS","SW846 8270D","RES","1716100-MS1","ESAI","4165-60-0","Nitrobenzene-d5","27.4"," \diamond g/l","-99","NA","SUR","52","-99","NA","YES","53.2","TF1-MW-7-091317","940","1","-99",

"TF1-MW-7-091317MS","SW846 8270D","RES","1716100-MS1","ESAI","50-32-8","Benzo (a) pyrene","33.9"," \diamond g/l","0.598","MDL","SPIKE","64","5.32","RDL","YES","53.2","TF1-MW-7-091317","940","1","1.06",

"TF1-MW-7-091317MS","SW846 8270D","RES","1716100-MS1","ESAI","53-70-3","Dibenzo (a,h) anthracene","34.4"," \diamond g/l","0.479","MDL","SPIKE","65","5.32","RDL","YES","53.2","TF1-MW-7-091317","940","1","1.06",

"TF1-MW-7-091317MS","SW846 8270D","RES","1716100-MS1","ESAI","56-55-3","Benzo (a) anthracene","32.6"," \diamond g/l","0.570","MDL","SPIKE","61","5.32","RDL","YES","53.2","TF1-MW-7-091317","940","1","1.06",

"TF1-MW-7-091317MS","SW846 8270D","RES","1716100-MS1","ESAI","83-32-9","Acenaphthene","29.1"," \diamond g/l","0.735","MDL","SPIKE","55","5.32","RDL","YES","53.2","TF1-MW-7-091317","940","1","1.06",

"TF1-MW-7-091317MS","SW846 8270D","RES","1716100-MS1","ESAI","85-01-8","Phenanthrene","30.7"," \diamond g/l","QC2","0.623","MDL","SPIKE","58","5.32","RDL","YES","53.2","TF1-MW-7-091317","940","1","1.06",

"TF1-MW-7-091317MS","SW846 8270D","RES","1716100-MS1","ESAI","86-73-7","Fluorene","29.5"," \diamond g/l","0.651","MDL","SPIKE","55","5.32","RDL","YES","53.2","TF1-MW-7-091317","940","1","1.06",

"TF1-MW-7-091317MS","SW846 8270D","RES","1716100-MS1","ESAI","90-12-0","1-Methylnaphthalene","30.1"," \diamond g/l","0.780","MDL","SPIKE","57","5.32","RDL","YES","53.2","TF1-MW-7-091317","940","1","1.06",

"TF1-MW-7-091317MS","SW846 8270D","RES","1716100-MS1","ESAI","91-20-3","Naphthalene","26.5"," \diamond g/l","0.729","MDL","SPIKE","50","5.32","RDL","YES","53.2","TF1-MW-7-091317","940","1","1.06",

"TF1-MW-7-091317MS","SW846 8270D","RES","1716100-MS1","ESAI","91-57-6","2-Methylnaphthalene","33.1"," \diamond g/l","0.611","MDL","SPIKE","62","5.32","RDL","YES","53.2","TF1-MW-7-091317","940","1","1.06",

"TF1-MW-7-091317MSD","EPA 245.1/7470A","RES","1716319-MSD1","ESAI","7439-97-6","Mercury","0.00447","mg/l","0.00013","MDL","SPIKE","89","5","0.00020","RDL","YES","0.00500","TF1-MW-7-091317","20","20","0.00020",

"TF1-MW-7-091317MSD","EPA 300.0","RES","1715756-MSD2","ESAI","14797-55-8","Nitrate as N","0.771","mg/l","0.007","MDL","SPIKE","96","3","0.100","RDL","YES","0.800","TF1-MW-7-091317","5","5","0.100",

"TF1-MW-7-091317MSD","EPA 300.0","RES","1715756-MSD2","ESAI","14808-79-8","Sulfate as SO4","44.7","mg/l","0.798","MDL","SPIKE","91","0.6","1.00","RDL","YES","8.00","TF1-MW-7-091317","5","5","1.00",

"TF1-MW-7-091317MSD","EPA 300.0","RES","1715756-MSD2","ESAI","16887-00-6","Chloride","29.0","mg/l","0.0994","MDL","SPIKE","96","0.6","1.00","RDL","YES","8.00","TF1-MW-7-091317","5","5","0.100",

"TF1-MW-7-091317MSD","SM18-22 5210B","RES","1715902-MSD1","ESAI","NA","Biochemical Oxygen

Demand (5-day)", "53.0", "mg/l", "2.74", "MDL", "SPIKE", "89", "0", "30.0", "RDL", "YES", "59.4", "TF1-MW-7-091317", "300", "300", "2.97",
"TF1-MW-7-091317MSD", "SM2320B (97, 11)", "RES", "1715985-MSD1", "ESAI", "NA", "Total Alkalinity", "46.1", "mg/l CaCO3", "QM9", "0.524", "MDL", "SPIKE", "18", "1", "2.00", "RDL", "YES", "25.0", "TF1-MW-7-091317", "100", "50", "1.50",
"TF1-MW-7-091317MSD", "SM5310B (00, 11)", "RES", "1716292-MSD1", "ESAI", "NA", "Total Organic Carbon", "5.13", "mg/l", "0.238", "MDL", "SPIKE", "93", "0.4", "1.00", "RDL", "YES", "5.00", "TF1-MW-7-091317", "40", "40", "0.500",
"TF1-MW-7-091317MSD", "SW846 6010C", "RES", "1716317-MSD1", "ESAI", "7429-90-5", "Aluminum", "2.63", "mg/l", "0.0206", "MDL", "SPIKE", "105", "2", "0.0500", "RDL", "YES", "2.50", "TF1-MW-7-091317", "50", "50", "0.0500",
"TF1-MW-7-091317MSD", "SW846 6010C", "RES", "1716317-MSD1", "ESAI", "7439-95-4", "Magnesium", "8.50", "mg/l", "QM8", "0.0088", "MDL", "SPIKE", "75", "5", "0.0200", "RDL", "YES", "2.50", "TF1-MW-7-091317", "50", "50", "0.0100",
"TF1-MW-7-091317MSD", "SW846 6010C", "RES", "1716317-MSD1", "ESAI", "7440-23-5", "Sodium", "20.4", "mg/l", "0.0785", "MDL", "SPIKE", "89", "3", "0.500", "RDL", "YES", "12.5", "TF1-MW-7-091317", "50", "50", "0.250",
"TF1-MW-7-091317MSD", "SW846 6010C", "RES", "1716317-MSD1", "ESAI", "7440-70-2", "Calcium", "24.8", "mg/l", "0.0142", "MDL", "SPIKE", "102", "2", "0.200", "RDL", "YES", "12.5", "TF1-MW-7-091317", "50", "50", "0.0500",
"TF1-MW-7-091317MSD", "SW846 6010C", "RES", "1716540-MSD1", "ESAI", "7439-89-6", "Iron", "24.1", "mg/l", "QM4X", "0.0089", "MDL", "SPIKE", "86", "1", "0.0800", "RDL", "YES", "2.50", "TF1-MW-7-091317", "50", "50", "0.0300",
"TF1-MW-7-091317MSD", "SW846 6010C", "RES", "1716540-MSD1", "ESAI", "7440-09-7", "Potassium", "25.1", "mg/l", "0.120", "MDL", "SPIKE", "98", "1", "1.00", "RDL", "YES", "25.0", "TF1-MW-7-091317", "50", "50", "0.250",
"TF1-MW-7-091317MSD", "SW846 8081B", "RES", "1715920-MSD2", "ESAI", "1024-57-3", "Heptachlor epoxide", "0.390", "g/l", "0.016", "MDL", "SPIKE", "74", "12", "0.021", "RDL", "YES", "0.526", "TF1-MW-7-091317", "950", "10", "0.021",
"TF1-MW-7-091317MSD", "SW846 8081B", "RES", "1715920-MSD2", "ESAI", "1024-57-3", "Heptachlor epoxide [2C]", "0.404", "g/l", "0.016", "MDL", "SPIKE", "77", "9", "0.021", "RDL", "YES", "0.526", "TF1-MW-7-091317", "950", "10", "0.021",
"TF1-MW-7-091317MSD", "SW846 8081B", "RES", "1715920-MSD2", "ESAI", "1031-07-8", "Endosulfan sulfate", "0.449", "g/l", "0.021", "MDL", "SPIKE", "85", "11", "0.042", "RDL", "YES", "0.526", "TF1-MW-7-091317", "950", "10", "0.021",
"TF1-MW-7-091317MSD", "SW846 8081B", "RES", "1715920-MSD2", "ESAI", "1031-07-8", "Endosulfan sulfate [2C]", "0.525", "g/l", "0.018", "MDL", "SPIKE", "100", "10", "0.042", "RDL", "YES", "0.526", "TF1-MW-7-091317", "950", "10", "0.021",
"TF1-MW-7-091317MSD", "SW846 8081B", "RES", "1715920-MSD2", "ESAI", "10386-84-2", "4,4-DB-Octafluorobiphenyl (Sr)", "0.235", "g/l", "-99", "NA", "SUR", "112", "-99", "NA", "YES", "0.211", "TF1-MW-7-091317", "950", "10", "-99",
"TF1-MW-7-091317MSD", "SW846 8081B", "RES", "1715920-MSD2", "ESAI", "10386-84-2", "4,4-DB-Octafluorobiphenyl (Sr) [2C]", "0.251", "g/l", "-99", "NA", "SUR", "119", "-99", "NA", "YES", "0.211", "TF1-MW-7-091317", "950", "10", "-99",
"TF1-MW-7-091317MSD", "SW846 8081B", "RES", "1715920-MSD2", "ESAI", "15972-60-8", "Alachlor", "0.478", "g/l", "0.020", "MDL", "SPIKE", "91", "10", "0.021", "RDL", "YES", "0.526", "TF1-MW-7-091317", "950", "10", "0.021",
"TF1-MW-7-091317MSD", "SW846 8081B", "RES", "1715920-MSD2", "ESAI", "15972-60-8", "Alachlor [2C]", "0.489", "g/l", "0.018", "MDL", "SPIKE", "93", "7", "0.021", "RDL", "YES", "0.526", "TF1-MW-7-091317", "950", "10", "0.021",
"TF1-MW-7-091317MSD", "SW846 8081B", "RES", "1715920-MSD2", "ESAI", "2051-24-3", "Decachlorobiphenyl (Sr)", "0.166", "g/l", "-99", "NA", "SUR", "79", "-99", "NA", "YES", "0.211", "TF1-MW-7-091317", "950", "10", "-99",
"TF1-MW-7-091317MSD", "SW846 8081B", "RES", "1715920-MSD2", "ESAI", "2051-24-3", "Decachlorobiphenyl (Sr) [2C]", "0.151", "g/l", "-99", "NA", "SUR", "72", "-99", "NA", "YES", "0.211", "TF1-MW-7-091317", "950", "10", "-99",
"TF1-MW-7-091317MSD", "SW846 8081B", "RES", "1715920-MSD2", "ESAI", "309-00-

2", "Aldrin", "0.336", "◆g/l", "0.017", "MDL", "SPIKE", "64", "7", "0.021", "RDL", "YES", "0.526", "TF1-MW-7-091317", "950", "10", "0.021",
"TF1-MW-7-091317MSD", "SW846 8081B", "RES", "1715920-MSD2", "ESAI", "309-00-2", "Aldrin [2C]", "0.327", "◆g/l", "0.020", "MDL", "SPIKE", "62", "6", "0.021", "RDL", "YES", "0.526", "TF1-MW-7-091317", "950", "10", "0.021",
"TF1-MW-7-091317MSD", "SW846 8081B", "RES", "1715920-MSD2", "ESAI", "319-84-6", "alpha-BHC", "0.355", "◆g/l", "0.012", "MDL", "SPIKE", "67", "8", "0.021", "RDL", "YES", "0.526", "TF1-MW-7-091317", "950", "10", "0.021",
"TF1-MW-7-091317MSD", "SW846 8081B", "RES", "1715920-MSD2", "ESAI", "319-84-6", "alpha-BHC [2C]", "0.377", "◆g/l", "0.019", "MDL", "SPIKE", "72", "8", "0.021", "RDL", "YES", "0.526", "TF1-MW-7-091317", "950", "10", "0.021",
"TF1-MW-7-091317MSD", "SW846 8081B", "RES", "1715920-MSD2", "ESAI", "319-85-7", "beta-BHC", "0.421", "◆g/l", "0.015", "MDL", "SPIKE", "80", "7", "0.021", "RDL", "YES", "0.526", "TF1-MW-7-091317", "950", "10", "0.021",
"TF1-MW-7-091317MSD", "SW846 8081B", "RES", "1715920-MSD2", "ESAI", "319-85-7", "beta-BHC [2C]", "0.478", "◆g/l", "0.020", "MDL", "SPIKE", "91", "8", "0.021", "RDL", "YES", "0.526", "TF1-MW-7-091317", "950", "10", "0.021",
"TF1-MW-7-091317MSD", "SW846 8081B", "RES", "1715920-MSD2", "ESAI", "319-86-8", "delta-BHC", "0.397", "◆g/l", "0.016", "MDL", "SPIKE", "75", "10", "0.021", "RDL", "YES", "0.526", "TF1-MW-7-091317", "950", "10", "0.021",
"TF1-MW-7-091317MSD", "SW846 8081B", "RES", "1715920-MSD2", "ESAI", "319-86-8", "delta-BHC [2C]", "0.445", "◆g/l", "0.020", "MDL", "SPIKE", "85", "10", "0.021", "RDL", "YES", "0.526", "TF1-MW-7-091317", "950", "10", "0.021",
"TF1-MW-7-091317MSD", "SW846 8081B", "RES", "1715920-MSD2", "ESAI", "33213-65-9", "Endosulfan II", "0.464", "◆g/l", "0.021", "MDL", "SPIKE", "88", "4", "0.042", "RDL", "YES", "0.526", "TF1-MW-7-091317", "950", "10", "0.021",
"TF1-MW-7-091317MSD", "SW846 8081B", "RES", "1715920-MSD2", "ESAI", "33213-65-9", "Endosulfan II [2C]", "0.489", "◆g/l", "0.017", "MDL", "SPIKE", "93", "9", "0.042", "RDL", "YES", "0.526", "TF1-MW-7-091317", "950", "10", "0.021",
"TF1-MW-7-091317MSD", "SW846 8081B", "RES", "1715920-MSD2", "ESAI", "50-29-3", "4,4'-DDT (p,p)", "0.381", "◆g/l", "0.019", "MDL", "SPIKE", "72", "6", "0.042", "RDL", "YES", "0.526", "TF1-MW-7-091317", "950", "10", "0.032",
"TF1-MW-7-091317MSD", "SW846 8081B", "RES", "1715920-MSD2", "ESAI", "50-29-3", "4,4'-DDT (p,p) [2C]", "0.405", "◆g/l", "0.023", "MDL", "SPIKE", "77", "4", "0.042", "RDL", "YES", "0.526", "TF1-MW-7-091317", "950", "10", "0.032",
"TF1-MW-7-091317MSD", "SW846 8081B", "RES", "1715920-MSD2", "ESAI", "5103-71-9", "alpha-Chlordane", "0.407", "◆g/l", "0.016", "MDL", "SPIKE", "77", "10", "0.021", "RDL", "YES", "0.526", "TF1-MW-7-091317", "950", "10", "0.021",
"TF1-MW-7-091317MSD", "SW846 8081B", "RES", "1715920-MSD2", "ESAI", "5103-71-9", "alpha-Chlordane [2C]", "0.428", "◆g/l", "0.018", "MDL", "SPIKE", "81", "9", "0.021", "RDL", "YES", "0.526", "TF1-MW-7-091317", "950", "10", "0.021",
"TF1-MW-7-091317MSD", "SW846 8081B", "RES", "1715920-MSD2", "ESAI", "5103-74-2", "Chlordane (gamma) (trans)", "0.422", "◆g/l", "0.017", "MDL", "SPIKE", "80", "9", "0.021", "RDL", "YES", "0.526", "TF1-MW-7-091317", "950", "10", "0.021",
"TF1-MW-7-091317MSD", "SW846 8081B", "RES", "1715920-MSD2", "ESAI", "5103-74-2", "Chlordane (gamma) (trans) [2C]", "0.418", "◆g/l", "0.015", "MDL", "SPIKE", "79", "10", "0.021", "RDL", "YES", "0.526", "TF1-MW-7-091317", "950", "10", "0.021",
"TF1-MW-7-091317MSD", "SW846 8081B", "RES", "1715920-MSD2", "ESAI", "53494-70-5", "Endrin ketone", "0.377", "◆g/l", "0.018", "MDL", "SPIKE", "72", "13", "0.042", "RDL", "YES", "0.526", "TF1-MW-7-091317", "950", "10", "0.021",
"TF1-MW-7-091317MSD", "SW846 8081B", "RES", "1715920-MSD2", "ESAI", "53494-70-5", "Endrin ketone [2C]", "0.451", "◆g/l", "0.019", "MDL", "SPIKE", "86", "10", "0.042", "RDL", "YES", "0.526", "TF1-MW-7-091317", "950", "10", "0.021",
"TF1-MW-7-091317MSD", "SW846 8081B", "RES", "1715920-MSD2", "ESAI", "58-89-9", "gamma-BHC (Lindane)", "0.366", "◆g/l", "0.018", "MDL", "SPIKE", "70", "8", "0.021", "RDL", "YES", "0.526", "TF1-MW-7-091317", "950", "10", "0.021",
"TF1-MW-7-091317MSD", "SW846 8081B", "RES", "1715920-MSD2", "ESAI", "58-89-9", "gamma-BHC (Lindane)

[2C]","0.400","◆g/l","0.019","MDL","SPIKE","76","8","0.021","RDL","YES","0.526","TF1-MW-7-091317","950","10","0.021",
"TF1-MW-7-091317MSD","SW846 8081B","RES","1715920-MSD2","ESAI","60-57-1","Dieldrin","0.397","◆g/l","0.018","MDL","SPIKE","75","17","0.021","RDL","YES","0.526","TF1-MW-7-091317","950","10","0.021",
"TF1-MW-7-091317MSD","SW846 8081B","RES","1715920-MSD2","ESAI","60-57-1","Dieldrin [2C]","0.399","◆g/l","0.020","MDL","SPIKE","76","10","0.021","RDL","YES","0.526","TF1-MW-7-091317","950","10","0.021",
"TF1-MW-7-091317MSD","SW846 8081B","RES","1715920-MSD2","ESAI","72-20-8","Endrin","0.511","◆g/l","0.020","MDL","SPIKE","97","11","0.042","RDL","YES","0.526","TF1-MW-7-091317","950","10","0.021",
"TF1-MW-7-091317MSD","SW846 8081B","RES","1715920-MSD2","ESAI","72-20-8","Endrin [2C]","0.496","◆g/l","0.020","MDL","SPIKE","94","10","0.042","RDL","YES","0.526","TF1-MW-7-091317","950","10","0.021",
"TF1-MW-7-091317MSD","SW846 8081B","RES","1715920-MSD2","ESAI","72-43-5","Methoxychlor","0.465","◆g/l","0.019","MDL","SPIKE","88","7","0.042","RDL","YES","0.526","TF1-MW-7-091317","950","10","0.021",
"TF1-MW-7-091317MSD","SW846 8081B","RES","1715920-MSD2","ESAI","72-43-5","Methoxychlor [2C]","0.433","◆g/l","0.019","MDL","SPIKE","82","8","0.042","RDL","YES","0.526","TF1-MW-7-091317","950","10","0.021",
"TF1-MW-7-091317MSD","SW846 8081B","RES","1715920-MSD2","ESAI","72-54-8","4,4'-DDD (p,p')","0.462","◆g/l","0.020","MDL","SPIKE","88","8","0.042","RDL","YES","0.526","TF1-MW-7-091317","950","10","0.021",
"TF1-MW-7-091317MSD","SW846 8081B","RES","1715920-MSD2","ESAI","72-54-8","4,4'-DDD (p,p') [2C]","0.491","◆g/l","0.018","MDL","SPIKE","93","7","0.042","RDL","YES","0.526","TF1-MW-7-091317","950","10","0.021",
"TF1-MW-7-091317MSD","SW846 8081B","RES","1715920-MSD2","ESAI","72-55-9","4,4'-DDE (p,p')","0.392","◆g/l","0.019","MDL","SPIKE","75","12","0.021","RDL","YES","0.526","TF1-MW-7-091317","950","10","0.021",
"TF1-MW-7-091317MSD","SW846 8081B","RES","1715920-MSD2","ESAI","72-55-9","4,4'-DDE (p,p') [2C]","0.385","◆g/l","0.019","MDL","SPIKE","73","8","0.021","RDL","YES","0.526","TF1-MW-7-091317","950","10","0.021",
"TF1-MW-7-091317MSD","SW846 8081B","RES","1715920-MSD2","ESAI","7421-93-4","Endrin aldehyde","0.513","◆g/l","0.020","MDL","SPIKE","97","4","0.042","RDL","YES","0.526","TF1-MW-7-091317","950","10","0.021",
"TF1-MW-7-091317MSD","SW846 8081B","RES","1715920-MSD2","ESAI","7421-93-4","Endrin aldehyde [2C]","0.500","◆g/l","0.019","MDL","SPIKE","95","7","0.042","RDL","YES","0.526","TF1-MW-7-091317","950","10","0.021",
"TF1-MW-7-091317MSD","SW846 8081B","RES","1715920-MSD2","ESAI","76-44-8","Heptachlor","0.336","◆g/l","0.021","MDL","SPIKE","64","10","0.021","RDL","YES","0.526","TF1-MW-7-091317","950","10","0.021",
"TF1-MW-7-091317MSD","SW846 8081B","RES","1715920-MSD2","ESAI","76-44-8","Heptachlor [2C]","0.404","◆g/l","0.021","MDL","SPIKE","77","7","0.021","RDL","YES","0.526","TF1-MW-7-091317","950","10","0.021",
"TF1-MW-7-091317MSD","SW846 8081B","RES","1715920-MSD2","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS)","0.020","◆g/ml","-99","NA","ISTD","95","-99","NA","YES","10.0","TF1-MW-7-091317","950","10","-99",
"TF1-MW-7-091317MSD","SW846 8081B","RES","1715920-MSD2","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS) [2C]","0.020","◆g/ml","-99","NA","ISTD","94","-99","NA","YES","10.0","TF1-MW-7-091317","950","10","-99",
"TF1-MW-7-091317MSD","SW846 8081B","RES","1715920-MSD2","ESAI","959-98-8","Endosulfan I","0.408","◆g/l","0.017","MDL","SPIKE","78","11","0.021","RDL","YES","0.526","TF1-MW-7-091317","950","10","0.021",
"TF1-MW-7-091317MSD","SW846 8081B","RES","1715920-MSD2","ESAI","959-98-8","Endosulfan I [2C]","0.447","◆g/l","0.017","MDL","SPIKE","85","9","0.021","RDL","YES","0.526","TF1-MW-7-091317","950","10","0.021",
"TF1-MW-7-091317MSD","SW846 8082A","RES","1716099-MSD1","ESAI","10386-84-2","4,4-DB-

Octafluorobiphenyl (Sr),"0.165","g/l","-99","NA","SUR","75","-99","NA","YES","0.220","TF1-MW-7-091317","910","10","-99",
"TF1-MW-7-091317MSD","SW846 8082A","RES","1716099-MSD1","ESAI","10386-84-2","4,4-DB-
Octafluorobiphenyl (Sr) [2C]","0.176","g/l","-99","NA","SUR","80","-99","NA","YES","0.220","TF1-MW-7-091317","910","10","-99",
"TF1-MW-7-091317MSD","SW846 8082A","RES","1716099-MSD1","ESAI","11096-82-5","Aroclor-1260","2.14","g/l","0.0935","MDL","SPIKE","78","9","0.220","RDL","YES","2.75","TF1-MW-7-091317","910","10","0.220",
"TF1-MW-7-091317MSD","SW846 8082A","RES","1716099-MSD1","ESAI","11096-82-5","Aroclor-1260 [2C]","2.42","g/l","0.127","MDL","SPIKE","88","5","0.220","RDL","YES","2.75","TF1-MW-7-091317","910","10","0.220",
"TF1-MW-7-091317MSD","SW846 8082A","RES","1716099-MSD1","ESAI","12674-11-2","Aroclor-1016","2.01","g/l","0.114","MDL","SPIKE","73","12","0.220","RDL","YES","2.75","TF1-MW-7-091317","910","10","0.220",
"TF1-MW-7-091317MSD","SW846 8082A","RES","1716099-MSD1","ESAI","12674-11-2","Aroclor-1016 [2C]","2.23","g/l","0.134","MDL","SPIKE","81","6","0.220","RDL","YES","2.75","TF1-MW-7-091317","910","10","0.220",
"TF1-MW-7-091317MSD","SW846 8082A","RES","1716099-MSD1","ESAI","2051-24-3","Decachlorobiphenyl (Sr)","0.198","g/l","-99","NA","SUR","90","-99","NA","YES","0.220","TF1-MW-7-091317","910","10","-99",
"TF1-MW-7-091317MSD","SW846 8082A","RES","1716099-MSD1","ESAI","2051-24-3","Decachlorobiphenyl (Sr) [2C]","0.231","g/l","-99","NA","SUR","105","-99","NA","YES","0.220","TF1-MW-7-091317","910","10","-99",
"TF1-MW-7-091317MSD","SW846 8082A","RES","1716099-MSD1","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS)","0.0200","g/ml","-99","NA","ISTD","110","-99","NA","YES","10.0","TF1-MW-7-091317","910","10","-99",
"TF1-MW-7-091317MSD","SW846 8082A","RES","1716099-MSD1","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS) [2C]","0.0200","g/ml","-99","NA","ISTD","95","-99","NA","YES","10.0","TF1-MW-7-091317","910","10","-99",
"TF1-MW-7-091317MSD","SW846 8260C","RES","1716331-MSD1","ESAI","100-41-4","Ethylbenzene","20.3","g/l","-99","NA","SPIKE","101","15","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",
"TF1-MW-7-091317MSD","SW846 8260C","RES","1716331-MSD1","ESAI","100-42-5","Styrene","20.1","g/l","-99","NA","SPIKE","100","14","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",
"TF1-MW-7-091317MSD","SW846 8260C","RES","1716331-MSD1","ESAI","10061-01-5","cis-1,3-Dichloropropene","16.6","g/l","-99","NA","SPIKE","83","17","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",
"TF1-MW-7-091317MSD","SW846 8260C","RES","1716331-MSD1","ESAI","10061-02-6","trans-1,3-Dichloropropene","16.8","g/l","-99","NA","SPIKE","84","16","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",
"TF1-MW-7-091317MSD","SW846 8260C","RES","1716331-MSD1","ESAI","106-46-7","1,4-Dichlorobenzene","20.1","g/l","-99","NA","SPIKE","101","15","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",
"TF1-MW-7-091317MSD","SW846 8260C","RES","1716331-MSD1","ESAI","106-93-4","1,2-Dibromoethane (EDB)","22.8","g/l","-99","NA","SPIKE","114","12","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",
"TF1-MW-7-091317MSD","SW846 8260C","RES","1716331-MSD1","ESAI","107-06-2","1,2-Dichloroethane","21.8","g/l","-99","NA","SPIKE","109","15","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",
"TF1-MW-7-091317MSD","SW846 8260C","RES","1716331-MSD1","ESAI","108-10-1","4-Methyl-2-pentanone (MIBK)","20.2","g/l","-99","NA","SPIKE","101","12","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",
"TF1-MW-7-091317MSD","SW846 8260C","RES","1716331-MSD1","ESAI","108-87-2","Methylcyclohexane","16.1","g/l","-99","NA","SPIKE","81","19","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",
"TF1-MW-7-091317MSD","SW846 8260C","RES","1716331-MSD1","ESAI","108-88-

3", "Toluene", "20.9", "◆g/l", "-99", "NA", "SPIKE", "104", "13", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "108-90-7", "Chlorobenzene", "21.3", "◆g/l", "-99", "NA", "SPIKE", "107", "10", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "110-82-7", "Cyclohexane", "17.7", "◆g/l", "-99", "NA", "SPIKE", "88", "17", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "120-82-1", "1,2,4-Trichlorobenzene", "19.8", "◆g/l", "QR2", "-99", "NA", "SPIKE", "99", "23", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "124-48-1", "Dibromochloromethane", "21.7", "◆g/l", "-99", "NA", "SPIKE", "108", "11", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "127-18-4", "Tetrachloroethene", "21.1", "◆g/l", "-99", "NA", "SPIKE", "105", "19", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "156-59-2", "cis-1,2-Dichloroethene", "19.8", "◆g/l", "-99", "NA", "SPIKE", "99", "14", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "156-60-5", "trans-1,2-Dichloroethene", "19.6", "◆g/l", "-99", "NA", "SPIKE", "98", "16", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "1634-04-4", "Methyl tert-butyl ether", "28.1", "◆g/l", "-99", "NA", "SPIKE", "106", "11", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "17060-07-0", "1,2-Dichloroethane-d4", "51.2", "◆g/l", "-99", "NA", "SUR", "102", "-99", "NA", "YES", "50.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "179601-23-1", "m,p-Xylene", "20.0", "◆g/l", "-99", "NA", "SPIKE", "100", "13", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "1868-53-7", "Dibromofluoromethane", "49.3", "◆g/l", "-99", "NA", "SUR", "99", "-99", "NA", "YES", "50.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "2037-26-5", "Toluene-d8", "50.1", "◆g/l", "-99", "NA", "SUR", "100", "-99", "NA", "YES", "50.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "3114-55-4", "Chlorobenzene-d5", "50.0", "◆g/l", "-99", "NA", "ISTD", "101", "-99", "NA", "YES", "50.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "3855-82-1", "1,4-Dichlorobenzene-d4", "50.0", "◆g/l", "-99", "NA", "ISTD", "99", "-99", "NA", "YES", "50.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "460-00-4", "4-Bromofluorobenzene", "52.1", "◆g/l", "-99", "NA", "SUR", "104", "-99", "NA", "YES", "50.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "462-06-6", "Fluorobenzene", "50.0", "◆g/l", "-99", "NA", "ISTD", "100", "-99", "NA", "YES", "50.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "541-73-1", "1,3-Dichlorobenzene", "21.3", "◆g/l", "-99", "NA", "SPIKE", "107", "13", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "56-23-5", "Carbon tetrachloride", "23.1", "◆g/l", "-99", "NA", "SPIKE", "115", "17", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "591-78-6", "2-Hexanone (MBK)", "20.4", "◆g/l", "-99", "NA", "SPIKE", "102", "9", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "67-64-1", "Acetone", "26.0", "◆g/l", "-99", "NA", "SPIKE", "130", "7", "-99", "NA", "YES", "20.0", "TF1-MW-7-

091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "67-66-3", "Chloroform", "20.4", "g/l", "-99", "NA", "SPIKE", "102", "9", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "71-43-2", "Benzene", "21.8", "g/l", "-99", "NA", "SPIKE", "109", "17", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "71-55-6", "1,1,1-Trichloroethane", "22.5", "g/l", "-99", "NA", "SPIKE", "113", "17", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "74-83-9", "Bromomethane", "18.2", "g/l", "-99", "NA", "SPIKE", "91", "13", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "74-87-3", "Chloromethane", "18.7", "g/l", "-99", "NA", "SPIKE", "93", "19", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "74-97-5", "Bromochloromethane", "19.2", "g/l", "-99", "NA", "SPIKE", "96", "10", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "75-00-3", "Chloroethane", "19.3", "g/l", "-99", "NA", "SPIKE", "96", "18", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "75-01-4", "Vinyl chloride", "20.1", "g/l", "QR2", "-99", "NA", "SPIKE", "100", "24", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "75-09-2", "Methylene chloride", "19.3", "g/l", "-99", "NA", "SPIKE", "96", "15", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "75-15-0", "Carbon disulfide", "18.4", "g/l", "-99", "NA", "SPIKE", "92", "20", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "75-25-2", "Bromoform", "21.6", "g/l", "-99", "NA", "SPIKE", "108", "4", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "75-27-4", "Bromodichloromethane", "23.0", "g/l", "-99", "NA", "SPIKE", "115", "13", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "75-34-3", "1,1-Dichloroethane", "20.1", "g/l", "-99", "NA", "SPIKE", "100", "15", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "75-35-4", "1,1-Dichloroethene", "19.6", "g/l", "-99", "NA", "SPIKE", "98", "16", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "75-69-4", "Trichlorofluoromethane (Freon 11)", "19.3", "g/l", "-99", "NA", "SPIKE", "96", "16", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "75-71-8", "Dichlorodifluoromethane (Freon12)", "14.7", "g/l", "-99", "NA", "SPIKE", "74", "18", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "76-13-1", "1,1,2-Trichlorotrifluoroethane (Freon 113)", "16.4", "g/l", "-99", "NA", "SPIKE", "82", "16", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "78-87-5", "1,2-Dichloropropane", "21.4", "g/l", "-99", "NA", "SPIKE", "107", "17", "-99", "NA", "YES", "20.0", "TF1-MW-7-091317", "5", "5", "-99",
"TF1-MW-7-091317MSD", "SW846 8260C", "RES", "1716331-MSD1", "ESAI", "78-93-3", "2-Butanone

(MEK),"20.8","g/l","-99","NA","SPIKE","104","0.6","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",
"TF1-MW-7-091317MSD","SW846 8260C","RES","1716331-MSD1","ESAI","79-00-5","1,1,2-Trichloroethane","21.5","g/l","-99","NA","SPIKE","107","9","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",
"TF1-MW-7-091317MSD","SW846 8260C","RES","1716331-MSD1","ESAI","79-01-6","Trichloroethene","21.6","g/l","-99","NA","SPIKE","108","18","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",
"TF1-MW-7-091317MSD","SW846 8260C","RES","1716331-MSD1","ESAI","79-20-9","Methyl acetate","5.6","g/l","QM7","-99","NA","SPIKE","28","3","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",
"TF1-MW-7-091317MSD","SW846 8260C","RES","1716331-MSD1","ESAI","79-34-5","1,1,2,2-Tetrachloroethane","21.5","g/l","-99","NA","SPIKE","108","6","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",
"TF1-MW-7-091317MSD","SW846 8260C","RES","1716331-MSD1","ESAI","87-61-6","1,2,3-Trichlorobenzene","20.3","g/l","-99","NA","SPIKE","102","20","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",
"TF1-MW-7-091317MSD","SW846 8260C","RES","1716331-MSD1","ESAI","95-47-6","o-Xylene","20.9","g/l","-99","NA","SPIKE","104","15","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",
"TF1-MW-7-091317MSD","SW846 8260C","RES","1716331-MSD1","ESAI","95-50-1","1,2-Dichlorobenzene","21.6","g/l","-99","NA","SPIKE","108","15","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",
"TF1-MW-7-091317MSD","SW846 8260C","RES","1716331-MSD1","ESAI","96-12-8","1,2-Dibromo-3-chloropropane","20.3","g/l","-99","NA","SPIKE","101","10","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",
"TF1-MW-7-091317MSD","SW846 8260C","RES","1716331-MSD1","ESAI","98-82-8","Isopropylbenzene","21.5","g/l","-99","NA","SPIKE","107","15","-99","NA","YES","20.0","TF1-MW-7-091317","5","5","-99",
"TF1-MW-7-091317MSD","SW846 8270D","RES","1716100-MSD1","ESAI","1146-65-2","Naphthalene-d8","40.0","g/ml","-99","NA","ISTD","106","-99","NA","YES","40.0","TF1-MW-7-091317","930","1","-99",
"TF1-MW-7-091317MSD","SW846 8270D","RES","1716100-MSD1","ESAI","120-12-7","Anthracene","29.0","g/l","QM7","0.654","MDL","SPIKE","54","6","5.38","RDL","YES","53.8","TF1-MW-7-091317","930","1","1.08",
"TF1-MW-7-091317MSD","SW846 8270D","RES","1716100-MSD1","ESAI","129-00-0","Pyrene","28.5","g/l","QM7","0.656","MDL","SPIKE","53","3","5.38","RDL","YES","53.8","TF1-MW-7-091317","930","1","1.08",
"TF1-MW-7-091317MSD","SW846 8270D","RES","1716100-MSD1","ESAI","15067-26-2","Acenaphthene-d10","40.0","g/ml","-99","NA","ISTD","106","-99","NA","YES","40.0","TF1-MW-7-091317","930","1","-99",
"TF1-MW-7-091317MSD","SW846 8270D","RES","1716100-MSD1","ESAI","1517-22-2","Phenanthrene-d10","40.0","g/ml","-99","NA","ISTD","104","-99","NA","YES","40.0","TF1-MW-7-091317","930","1","-99",
"TF1-MW-7-091317MSD","SW846 8270D","RES","1716100-MSD1","ESAI","1520-96-3","Perylene-d12","40.0","g/ml","-99","NA","ISTD","100","-99","NA","YES","40.0","TF1-MW-7-091317","930","1","-99",
"TF1-MW-7-091317MSD","SW846 8270D","RES","1716100-MSD1","ESAI","1718-51-0","Terphenyl-d14","34.0","g/l","-99","NA","SUR","63","-99","NA","YES","53.8","TF1-MW-7-091317","930","1","-99",
"TF1-MW-7-091317MSD","SW846 8270D","RES","1716100-MSD1","ESAI","1719-03-5","Chrysene-d12","40.0","g/ml","-99","NA","ISTD","112","-99","NA","YES","40.0","TF1-MW-7-091317","930","1","-99",
"TF1-MW-7-091317MSD","SW846 8270D","RES","1716100-MSD1","ESAI","191-24-2","Benzo (g,h,i) perylene","34.4","g/l","0.570","MDL","SPIKE","64","9","5.38","RDL","YES","53.8","TF1-MW-7-091317","930","1","1.08",
"TF1-MW-7-091317MSD","SW846 8270D","RES","1716100-MSD1","ESAI","193-39-5","Indeno (1,2,3-cd) pyrene","37.3","g/l","0.624","MDL","SPIKE","69","12","5.38","RDL","YES","53.8","TF1-MW-7-091317","930","1","1.08",

"TF1-MW-7-091317MSD","SW846 8270D","RES","1716100-MSD1","ESAI","205-99-2","Benzo (b) fluoranthene","33.8","g/l","0.470","MDL","SPIKE","63","4","5.38","RDL","YES","53.8","TF1-MW-7-091317","930","1","1.08",

"TF1-MW-7-091317MSD","SW846 8270D","RES","1716100-MSD1","ESAI","206-44-0","Fluoranthene","29.7","g/l","QM7","0.686","MDL","SPIKE","55","2","5.38","RDL","YES","53.8","TF1-MW-7-091317","930","1","1.08",

"TF1-MW-7-091317MSD","SW846 8270D","RES","1716100-MSD1","ESAI","207-08-9","Benzo (k) fluoranthene","30.7","g/l","0.516","MDL","SPIKE","57","10","5.38","RDL","YES","53.8","TF1-MW-7-091317","930","1","1.08",

"TF1-MW-7-091317MSD","SW846 8270D","RES","1716100-MSD1","ESAI","208-96-8","Acenaphthylene","26.5","g/l","0.734","MDL","SPIKE","49","11","5.38","RDL","YES","53.8","TF1-MW-7-091317","930","1","1.08",

"TF1-MW-7-091317MSD","SW846 8270D","RES","1716100-MSD1","ESAI","218-01-9","Chrysene","28.9","g/l","QC2","0.572","MDL","SPIKE","54","10","5.38","RDL","YES","53.8","TF1-MW-7-091317","930","1","1.08",

"TF1-MW-7-091317MSD","SW846 8270D","RES","1716100-MSD1","ESAI","321-60-8","2-Fluorobiphenyl","27.9","g/l","-99","NA","SUR","52","-99","NA","YES","53.8","TF1-MW-7-091317","930","1","-99",

"TF1-MW-7-091317MSD","SW846 8270D","RES","1716100-MSD1","ESAI","4165-60-0","Nitrobenzene-d5","24.8","g/l","-99","NA","SUR","46","-99","NA","YES","53.8","TF1-MW-7-091317","930","1","-99",

"TF1-MW-7-091317MSD","SW846 8270D","RES","1716100-MSD1","ESAI","50-32-8","Benzo (a) pyrene","32.2","g/l","0.604","MDL","SPIKE","60","5","5.38","RDL","YES","53.8","TF1-MW-7-091317","930","1","1.08",

"TF1-MW-7-091317MSD","SW846 8270D","RES","1716100-MSD1","ESAI","53-70-3","Dibenzo (a,h) anthracene","38.1","g/l","0.484","MDL","SPIKE","71","10","5.38","RDL","YES","53.8","TF1-MW-7-091317","930","1","1.08",

"TF1-MW-7-091317MSD","SW846 8270D","RES","1716100-MSD1","ESAI","56-55-3","Benzo (a) anthracene","29.3","g/l","QM7","0.576","MDL","SPIKE","54","11","5.38","RDL","YES","53.8","TF1-MW-7-091317","930","1","1.08",

"TF1-MW-7-091317MSD","SW846 8270D","RES","1716100-MSD1","ESAI","83-32-9","Acenaphthene","26.5","g/l","0.743","MDL","SPIKE","49","10","5.38","RDL","YES","53.8","TF1-MW-7-091317","930","1","1.08",

"TF1-MW-7-091317MSD","SW846 8270D","RES","1716100-MSD1","ESAI","85-01-8","Phenanthrene","27.6","g/l","QC2","0.630","MDL","SPIKE","51","11","5.38","RDL","YES","53.8","TF1-MW-7-091317","930","1","1.08",

"TF1-MW-7-091317MSD","SW846 8270D","RES","1716100-MSD1","ESAI","86-73-7","Fluorene","27.2","g/l","QC2","0.658","MDL","SPIKE","51","8","5.38","RDL","YES","53.8","TF1-MW-7-091317","930","1","1.08",

"TF1-MW-7-091317MSD","SW846 8270D","RES","1716100-MSD1","ESAI","90-12-0","1-Methylnaphthalene","27.7","g/l","0.788","MDL","SPIKE","51","8","5.38","RDL","YES","53.8","TF1-MW-7-091317","930","1","1.08",

"TF1-MW-7-091317MSD","SW846 8270D","RES","1716100-MSD1","ESAI","91-20-3","Naphthalene","23.8","g/l","0.737","MDL","SPIKE","44","11","5.38","RDL","YES","53.8","TF1-MW-7-091317","930","1","1.08",

"TF1-MW-7-091317MSD","SW846 8270D","RES","1716100-MSD1","ESAI","91-57-6","2-Methylnaphthalene","29.9","g/l","0.617","MDL","SPIKE","56","10","5.38","RDL","YES","53.8","TF1-MW-7-091317","930","1","1.08",

"TF1-MW-7-091317PS","EPA 245.1/7470A","RES","1716319-PS1","ESAI","7439-97-6","Mercury","0.00474","mg/l","0.00013","MDL","SPIKE","95","0.00020","RDL","YES","0.00500","TF1-MW-7-091317","20","20","0.00020",

"TF1-MW-7-091317PS","SW846 6010C","RES","1716317-PS1","ESAI","7429-90-5","Aluminum","2.72","mg/l","0.0206","MDL","SPIKE","109","0.0500","RDL","YES","2.50","TF1-MW-7-091317","50","50","0.0500",

"TF1-MW-7-091317PS","SW846 6010C","RES","1716317-PS1","ESAI","7439-95-4","Magnesium","8.84","mg/l","0.0088","MDL","SPIKE","89","0.0200","RDL","YES","2.50","TF1-MW-7-091317","50","50","0.0100",

"TF1-MW-7-091317PS","SW846 6010C","RES","1716317-PS1","ESAI","7440-23-

5", "Sodium", "21.1", "mg/l", "0.0785", "MDL", "SPIKE", "95", "0.500", "RDL", "YES", "12.5", "TF1-MW-7-091317", "50", "50", "0.250",
"TF1-MW-7-091317PS", "SW846 6010C", "RES", "1716317-PS1", "ESAI", "7440-70-2", "Calcium", "24.9", "mg/l", "0.0142", "MDL", "SPIKE", "102", "0.200", "RDL", "YES", "12.5", "TF1-MW-7-091317", "50", "50", "0.0500",
"TF1-MW-7-091317PS", "SW846 6010C", "RES", "1716540-PS1", "ESAI", "7439-89-6", "Iron", "23.8", "mg/l", "QM4X", "0.0089", "MDL", "SPIKE", "74", "0.0800", "RDL", "YES", "2.50", "TF1-MW-7-091317", "50", "50", "0.0300",
"TF1-MW-7-091317PS", "SW846 6010C", "RES", "1716540-PS1", "ESAI", "7440-09-7", "Potassium", "25.0", "mg/l", "0.120", "MDL", "SPIKE", "98", "1.00", "RDL", "YES", "25.0", "TF1-MW-7-091317", "50", "50", "0.250",
"TF1-TB-091317", "SW846 8260C", "RES", "SC39221-08", "ESAI", "100-41-4", "Ethylbenzene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-TB-091317", "SW846 8260C", "RES", "SC39221-08", "ESAI", "100-42-5", "Styrene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-TB-091317", "SW846 8260C", "RES", "SC39221-08", "ESAI", "10061-01-5", "cis-1,3-Dichloropropene", "0.5", "g/l", "U", "0.4", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-TB-091317", "SW846 8260C", "RES", "SC39221-08", "ESAI", "10061-02-6", "trans-1,3-Dichloropropene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-TB-091317", "SW846 8260C", "RES", "SC39221-08", "ESAI", "106-46-7", "1,4-Dichlorobenzene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-TB-091317", "SW846 8260C", "RES", "SC39221-08", "ESAI", "106-93-4", "1,2-Dibromoethane (EDB)", "0.5", "g/l", "U", "0.2", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-TB-091317", "SW846 8260C", "RES", "SC39221-08", "ESAI", "107-06-2", "1,2-Dichloroethane", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-TB-091317", "SW846 8260C", "RES", "SC39221-08", "ESAI", "108-10-1", "4-Methyl-2-pentanone (MIBK)", "2.0", "g/l", "U", "0.5", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-TB-091317", "SW846 8260C", "RES", "SC39221-08", "ESAI", "108-87-2", "Methylcyclohexane", "2.0", "g/l", "U", "0.7", "MDL", "TARGET", "5.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-TB-091317", "SW846 8260C", "RES", "SC39221-08", "ESAI", "108-88-3", "Toluene", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-TB-091317", "SW846 8260C", "RES", "SC39221-08", "ESAI", "108-90-7", "Chlorobenzene", "0.5", "g/l", "U", "0.2", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-TB-091317", "SW846 8260C", "RES", "SC39221-08", "ESAI", "110-82-7", "Cyclohexane", "2.0", "g/l", "U", "0.8", "MDL", "TARGET", "5.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-TB-091317", "SW846 8260C", "RES", "SC39221-08", "ESAI", "120-82-1", "1,2,4-Trichlorobenzene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-TB-091317", "SW846 8260C", "RES", "SC39221-08", "ESAI", "124-48-1", "Dibromochloromethane", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-TB-091317", "SW846 8260C", "RES", "SC39221-08", "ESAI", "127-18-4", "Tetrachloroethene", "1.0", "g/l", "U", "0.6", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-TB-091317", "SW846 8260C", "RES", "SC39221-08", "ESAI", "156-59-2", "cis-1,2-Dichloroethene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-TB-091317", "SW846 8260C", "RES", "SC39221-08", "ESAI", "156-60-5", "trans-1,2-Dichloroethene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-TB-091317", "SW846 8260C", "RES", "SC39221-08", "ESAI", "1634-04-4", "Methyl tert-butyl ether", "0.5", "g/l", "U", "0.2", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-TB-091317", "SW846 8260C", "RES", "SC39221-08", "ESAI", "17060-07-0", "1,2-Dichloroethane-d4", "52.6", "g/l", "-99", "NA", "SUR", "105", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-TB-091317", "SW846 8260C", "RES", "SC39221-08", "ESAI", "179601-23-1", "m,p-Xylene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-TB-091317", "SW846 8260C", "RES", "SC39221-08", "ESAI", "1868-53-7", "Dibromofluoromethane", "49.2", "g/l", "-99", "NA", "SUR", "98", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-TB-091317", "SW846 8260C", "RES", "SC39221-08", "ESAI", "2037-26-5", "Toluene-d8", "48.1", "g/l", "-99", "NA", "SUR", "96", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-TB-091317", "SW846 8260C", "RES", "SC39221-08", "ESAI", "3114-55-4", "Chlorobenzene-d5", "50.0", "g/l", "-99", "NA", "ISTD", "92", "-99", "NA", "YES", "50.0", "5", "5", "-99",

"TF1-TB-091317","SW846 8260C","RES","SC39221-08","ESAI","3855-82-1","1,4-Dichlorobenzene-d4","50.0","g/l","-99","NA","ISTD","79","-99","NA","YES","50.0","5","5","-99",
"TF1-TB-091317","SW846 8260C","RES","SC39221-08","ESAI","460-00-4","4-Bromofluorobenzene","47.3","g/l","-99","NA","SUR","95","-99","NA","YES","50.0","5","5","-99",
"TF1-TB-091317","SW846 8260C","RES","SC39221-08","ESAI","462-06-6","Fluorobenzene","50.0","g/l","-99","NA","ISTD","96","-99","NA","YES","50.0","5","5","-99",
"TF1-TB-091317","SW846 8260C","RES","SC39221-08","ESAI","541-73-1","1,3-Dichlorobenzene","0.5","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-TB-091317","SW846 8260C","RES","SC39221-08","ESAI","56-23-5","Carbon tetrachloride","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-TB-091317","SW846 8260C","RES","SC39221-08","ESAI","591-78-6","2-Hexanone (MBK)","2.0","g/l","U","0.5","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-TB-091317","SW846 8260C","RES","SC39221-08","ESAI","67-64-1","Acetone","2.0","g/l","U","0.8","MDL","TARGET","10.0","RDL","YES","-99","5","5","2.0",
"TF1-TB-091317","SW846 8260C","RES","SC39221-08","ESAI","67-66-3","Chloroform","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-TB-091317","SW846 8260C","RES","SC39221-08","ESAI","71-43-2","Benzene","0.5","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-TB-091317","SW846 8260C","RES","SC39221-08","ESAI","71-55-6","1,1,1-Trichloroethane","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-TB-091317","SW846 8260C","RES","SC39221-08","ESAI","74-83-9","Bromomethane","2.0","g/l","U","0.9","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-TB-091317","SW846 8260C","RES","SC39221-08","ESAI","74-87-3","Chloromethane","1.0","g/l","U","0.4","MDL","TARGET","2.0","RDL","YES","-99","5","5","1.0",
"TF1-TB-091317","SW846 8260C","RES","SC39221-08","ESAI","74-97-5","Bromochloromethane","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-TB-091317","SW846 8260C","RES","SC39221-08","ESAI","75-00-3","Chloroethane","2.0","g/l","U","0.6","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-TB-091317","SW846 8260C","RES","SC39221-08","ESAI","75-01-4","Vinyl chloride","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-TB-091317","SW846 8260C","RES","SC39221-08","ESAI","75-09-2","Methylene chloride","2.0","g/l","U","0.7","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-TB-091317","SW846 8260C","RES","SC39221-08","ESAI","75-15-0","Carbon disulfide","1.0","g/l","U","0.4","MDL","TARGET","2.0","RDL","YES","-99","5","5","1.0",
"TF1-TB-091317","SW846 8260C","RES","SC39221-08","ESAI","75-25-2","Bromoform","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-TB-091317","SW846 8260C","RES","SC39221-08","ESAI","75-27-4","Bromodichloromethane","0.5","g/l","U","0.4","MDL","TARGET","0.5","RDL","YES","-99","5","5","0.5",
"TF1-TB-091317","SW846 8260C","RES","SC39221-08","ESAI","75-34-3","1,1-Dichloroethane","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-TB-091317","SW846 8260C","RES","SC39221-08","ESAI","75-35-4","1,1-Dichloroethene","1.0","g/l","U","0.7","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-TB-091317","SW846 8260C","RES","SC39221-08","ESAI","75-69-4","Trichlorofluoromethane (Freon 11)","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-TB-091317","SW846 8260C","RES","SC39221-08","ESAI","75-71-8","Dichlorodifluoromethane (Freon12)","2.0","g/l","U","0.6","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-TB-091317","SW846 8260C","RES","SC39221-08","ESAI","76-13-1","1,1,2-Trichlorotrifluoroethane (Freon 113)","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-TB-091317","SW846 8260C","RES","SC39221-08","ESAI","78-87-5","1,2-Dichloropropane","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-TB-091317","SW846 8260C","RES","SC39221-08","ESAI","78-93-3","2-Butanone (MEK)","2.0","g/l","U","1.1","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-TB-091317","SW846 8260C","RES","SC39221-08","ESAI","79-00-5","1,1,2-Trichloroethane","0.5","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-TB-091317","SW846 8260C","RES","SC39221-08","ESAI","79-01-6","Trichloroethene","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-TB-091317","SW846 8260C","RES","SC39221-08","ESAI","79-20-9","Methyl

acetate", "2.0", "mg/l", "U", "0.6", "MDL", "TARGET", "5.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-TB-091317", "SW846 8260C", "RES", "SC39221-08", "ESAI", "79-34-5", "1,1,2,2-
Tetrachloroethane", "0.5", "mg/l", "U", "0.3", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-TB-091317", "SW846 8260C", "RES", "SC39221-08", "ESAI", "87-61-6", "1,2,3-
Trichlorobenzene", "1.0", "mg/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-TB-091317", "SW846 8260C", "RES", "SC39221-08", "ESAI", "95-47-6", "o-
Xylene", "1.0", "mg/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-TB-091317", "SW846 8260C", "RES", "SC39221-08", "ESAI", "95-50-1", "1,2-
Dichlorobenzene", "0.5", "mg/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-TB-091317", "SW846 8260C", "RES", "SC39221-08", "ESAI", "96-12-8", "1,2-Dibromo-3-
chloropropane", "2.0", "mg/l", "U", "0.9", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-TB-091317", "SW846 8260C", "RES", "SC39221-08", "ESAI", "98-82-
8", "Isopropylbenzene", "1.0", "mg/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"112G08005-WE15", "WE15 Tank Farm 1 NAVSTA Newport", "1715756-BLK1", "Aqueous", "1715756-
BLK1", "Method Bla", "-99", "EPA 300.0", "Gen Prep", "RES", "09/14/2017 11:00", "09/15/2017
05:39", "ESAI", "COA", "NA", "T", "1", "NA", "100", "1715756", "1715756", "1715756", "1715756", "SC39221", "09/1
4/2017 17:00", "10/16/2017 12:14",
"112G08005-WE15", "WE15 Tank Farm 1 NAVSTA Newport", "1715756-BS1", "Aqueous", "1715756-
BS1", "LCS", "-99", "EPA 300.0", "Gen Prep", "RES", "09/14/2017 11:00", "09/15/2017
05:55", "ESAI", "COA", "NA", "T", "1", "NA", "100", "1715756", "1715756", "1715756", "1715756", "SC39221", "09/1
4/2017 17:00", "10/16/2017 12:14",
"112G08005-WE15", "WE15 Tank Farm 1 NAVSTA Newport", "1715756-CCB1", "Aqueous", "1715756-
CCB1", "Calibratio", "-99", "EPA 300.0", "Gen Prep", "RES", "09/14/2017 11:00", "09/14/2017
13:28", "ESAI", "COA", "NA", "T", "1", "NA", "100", "1715756", "1715756", "1715756", "1715756", "SC39221", "09/1
4/2017 17:00", "10/16/2017 12:14",
"112G08005-WE15", "WE15 Tank Farm 1 NAVSTA Newport", "1715756-CCB2", "Aqueous", "1715756-
CCB2", "Calibratio", "-99", "EPA 300.0", "Gen Prep", "RES", "09/14/2017 11:00", "09/14/2017
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CCB6", "Calibratio", "-99", "EPA 300.0", "Gen Prep", "RES", "09/14/2017 11:00", "09/15/2017
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CCB8", "Calibratio", "-99", "EPA 300.0", "Gen Prep", "RES", "09/14/2017 11:00", "09/15/2017
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CCB9", "Calibratio", "-99", "EPA 300.0", "Gen Prep", "RES", "09/14/2017 11:00", "09/15/2017
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BLK1","Method Bla", "-99","SM18-22 5210B","Gen Prep","RES","09/15/2017 13:00","09/25/2017 10:32","ESAI","COA","NA","T","1","NA",,"100","1715902","1715902","1715902","1715902","SC39221","09/14/2017 17:00","10/16/2017 12:14",
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Series","RES","09/25/2017 17:30","09/26/2017
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**TETRA TECH****INTERNAL CORRESPONDENCE**

TO: S. PARKER DATE: JANUARY 18, 2018
FROM: TERRI L. SOLOMON COPIES: DV FILE
**SUBJECT: ORGANIC & INORGANIC DATA VALIDATION – VOC/ PAH/ PESTICIDE/PCB /OVG/ TPH/
PFAS/ METALS/ MISCELLANEOUS
NAVAL STATION (NAVSTA) NEWPORT, PORTSMOUTH, RHODE ISLAND
WE15 TANK FARM 1
SAMPLE DELIVERY GROUP (SDG) SC39221**

SAMPLES: 6/Aqueous/
VOC, OVG, TPH, PFAS, Metals, Miscellaneous
TF1-GT-117-091317 TF1-GT-108-091317
TF1-MW-1008-091317 TF1-DUP-04-091317
TF1-MW-7-091317 TF1-GT-125-091317

5/Aqueous/
PAH
TF1-GT-117-091317 TF1-GT-108-091317
TF1-MW-1008-091317 TF1-DUP-04-091317
TF1-MW-7-091317

6/Aqueous/
Pesticide
TF1-GT-117-091317 TF1-GT-108-091317
TF1-MW-1008-091317 TF1-DUP-04-091317
TF1-MW-7-091317 TF1-GZ-106-091317

2/Aqueous/
PCBs
TF1-MW-1008-091317 TF1-MW-7-091317

1/Trip Blank/
VOC
TF1-TB-091317

1/Field Reagent Blank (FRB)
PFAS
TF1-FRB-091317

Overview

The sample set for NAVSTA Newport, SDG SC39221 consisted of seven (7) aqueous environmental samples, one (1) trip blank and one (1) FRB sample. Seven (7) aqueous environmental samples were analyzed for volatile organic compounds (VOCs), polynuclear aromatic hydrocarbons (PAHs), pesticides, polychlorinated biphenyls (PCBs), organic volatile gasses (OVG) including ethane and methane, perfluorinated alkyl acids (PFAS), target analyte list (TAL) metals, total petroleum hydrocarbons (TPH) and miscellaneous parameters (alkalinity, chloride, sulfate, nitrate, total organic carbon (TOC) and biological oxygen demand (BOD)) as referenced above. The trip blank was analyzed for VOCs only. The FRB sample was analyzed for PFAS only. One (1) field duplicate sample pair, TF1-MW-1008-091317 / TF1-DUP-04-091317, was included in this SDG.

The samples were collected by Tetra Tech, Inc. on September 13, 2017 and analyzed by Eurofins – Spectrum Analytical. All analyses were conducted in accordance with SW846 methods 8260C, 8270D, 8081B, 8082A, 8015B, 6010C, 6020A, 7470A, EPA methods RSK-175, 537 version 1.1 Mod. and 300.0 and Standard Methods 5310B, 5210B and 2320B analytical and reporting protocols.

An EPA level 2A validation was performed. The data was evaluated with regard to the following parameters:

- * • Data Completeness
- * • Holding Times/Sample Preservation
- * • Laboratory Method/Preparation and Trip Blank Results
- * • ICP Interference Recoveries
- Surrogate Spike Recoveries
- Laboratory Control Sample/Laboratory Control Sample Duplicate Results
- Matrix Spike/Matrix Spike Duplicate Results
- * • Laboratory Duplicate Precision
- * • ICP Serial Dilution Results
- * • Internal Standard Areas
- * • Standard Reference Material Recoveries
- * • Field Duplicate Precision
- * • 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.

LABORATORY METHOD/PREPARATION BLANKS

The following analytes were detected in the laboratory method blanks at the following maximum concentrations:

<u>Analyte</u>	<u>Maximum Concentration</u>	<u>Reporting Limit (RL) > or <</u>
Sodium	0.131 mg/L	< RL
Total organic carbon	0.330 mg/L	< RL

The detected results reported below the RL for total organic carbon were qualified as non-detected, (U).

SURROGATE SPIKE RECOVERIES

In the pesticide fraction, the percent recovery (%R) for the surrogate spike compound, 4,4-DB-Octafluorobiphenyl, column 1 was below the quality control limit in sample TF1-MW-7-091317. The non-detected results reported for the affected compounds for sample TF1-MW-7-091317 were qualified as estimated (UJ).

In the PFAS fraction, the %Rs for surrogate 13C8-PFOA were below the quality control limit in all samples. The non-detected results reported for perfluorooctane sulfonamide in the affected samples were qualified as estimated (UJ).

LABORATORY CONTROL SAMPLE / LABORATORY CONTROL SAMPLE DUPLICATE RESULTS

The PAH laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) %Rs were below the quality control limit for chrysene, fluorene, phenanthrene, anthracene, benzo(a)anthracene,

benzo(b)fluoranthene, benzo(g,h,i)perylene, fluoranthene and pyrene for sample 1716100-BS1 . All samples were affected. The nondetected results reported for the aforementioned compounds in the affected samples were qualified as estimated (UJ).

MATRIX SPIKE /MATRIX SPIKE DUPLICATE RESULTS

The VOC matrix spike (MS) and/or matrix spike duplicate (MSD) %Rs for cis-1,3-dichloropropene, trans-1,3-dichloropropene, methyl acetate and methylcyclohexane were below the quality control limits for sample TF1-MW-7-091317. The nondetected results reported for the aforementioned compounds in the affected sample were qualified as estimated (UJ).

The PAH MS and/or MSD %Rs for phenanthrene, pyrene, anthracene, benzo(a)anthracene, chrysene, fluoranthene and fluorene were below the quality control limits for sample TF1-MW-7-091317. The nondetected results reported for the aforementioned compounds in the affected sample were qualified as estimated (UJ).

The metals MSD %R was below the quality control limits for magnesium. The MS %R and the post digestion spike (PDS) %R were within the quality control limits. The detected results reported for magnesium were qualified as estimated (J).

The metals MSD %R was below the quality control limits for iron. The MS %R was within quality control limits. The PDS %R for iron was below the quality control limits. The detected results reported for iron were qualified as biased low (J-).

The sulfate MS %R was below the quality control limits. The MSD %R was within the quality control limits. The detected results reported for sulfate were qualified as estimated (J).

The alkalinity MS/MSD %Rs were below the quality control limits. The detected results reported for alkalinity were qualified as biased low (J-).

NOTES

The VOC MS/MSD relative percent differences (RPDs) for 1,2,4-trichlorobenzene and vinyl chloride were outside the quality control limits for sample TF1-MW-7-091317. No validation actions were required as the sample results for 1,2,4-trichlorobenzene and vinyl chloride in the affected sample were nondetects.

No detected results were present the FRB sample.

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

EXECUTIVE SUMMARY

Laboratory Performance: Several contaminants were detected in the laboratory method/preparation blanks. MS and/or MSD %Rs were noncompliant in the VOC, PAH, metals, sulfate and alkalinity fractions. Surrogate recoveries were noncompliant in the pesticide and PFAS fractions. LCS/LCSD recoveries were noncompliant in the PAH fraction.

Other Factors Affecting Data Quality: Results below the LOQ were estimated.

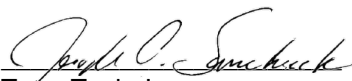
TO: S. PARKER
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The data for these analyses were reviewed with reference to the "National Functional Guidelines for Organic Superfund Methods Data Review" (January 2017), the "National Functional Guidelines for Inorganic Superfund Methods Data Review" (January 2017) and Environmental Protection Agency document EPA/600/R-08/092, Method 537, "Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS)", (September 2009). The text of this report has been formulated to address only those areas affecting data quality.



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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 ($< 2 \times$ 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 SDG: SC39221 FRACTION: OV MEDIA: WATER	NSAMPLE	TF1-DUP-04-091317			TF1-GT-108-091317			TF1-GT-117-091317			TF1-GT-125-091317		
	LAB_ID	SC39221-05			SC39221-03			SC39221-02			SC39221-09		
	SAMP_DATE	9/13/2017			9/13/2017			9/13/2017			9/13/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF	TF1-MW-1008-091317											
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
1,1,1-TRICHLOROETHANE	1	U		1	U		1	U		1	U		
1,1,2,2-TETRACHLOROETHANE	0.5	U		0.5	U		0.5	U		0.5	U		
1,1,2-TRICHLOROETHANE	0.5	U		0.5	U		0.5	U		0.5	U		
1,1,2-TRICHLOROTRIFLUOROETHANE	1	U		1	U		1	U		1	U		
1,1-DICHLOROETHANE	1	U		1	U		1	U		1	U		
1,1-DICHLOROETHENE	1	U		1	U		1	U		1	U		
1,2,3-TRICHLOROBENZENE	1	U		1	U		1	U		1	U		
1,2,4-TRICHLOROBENZENE	1	U		1	U		1	U		1	U		
1,2-DIBROMO-3-CHLOROPROPANE	2	U		2	U		2	U		2	U		
1,2-DIBROMOETHANE	0.5	U		0.5	U		0.5	U		0.5	U		
1,2-DICHLOROBENZENE	0.5	U		0.5	U		0.5	U		0.5	U		
1,2-DICHLOROETHANE	1	U		1	U		1	U		1	U		
1,2-DICHLOROPROPANE	1	U		1	U		1	U		1	U		
1,3-DICHLOROBENZENE	0.5	U		0.5	U		0.5	U		0.5	U		
1,4-DICHLOROBENZENE	0.5	U		0.5	U		0.5	U		0.5	U		
2-BUTANONE	2	U		2	U		2	U		2	U		
2-HEXANONE	2	U		2	U		2	U		2	U		
4-METHYL-2-PENTANONE	2	U		2	U		2	U		2	U		
ACETONE	2	U		2	U		2	U		2	U		
BENZENE	0.5	U		0.5	U		0.5	U		0.5	U		
BROMOCHLOROMETHANE	1	U		1	U		1	U		1	U		
BROMODICHLOROMETHANE	0.5	U		0.5	U		0.5	U		0.5	U		
BROMOFORM	1	U		1	U		1	U		1	U		
BROMOMETHANE	2	U		2	U		2	U		2	U		
CARBON DISULFIDE	1	U		1	U		1	U		1	U		
CARBON TETRACHLORIDE	1	U		1	U		1	U		1	U		
CHLOROBENZENE	0.5	U		0.5	U		0.5	U		0.5	U		
CHLORODIBROMOMETHANE	0.5	U		0.5	U		0.5	U		0.5	U		
CHLOROETHANE	2	U		2	U		2	U		2	U		
CHLOROFORM	1	U		1	U		1	U		1	U		
CHLOROMETHANE	1	U		1	U		1	U		1	U		
CIS-1,2-DICHLOROETHENE	0.5	U		0.5	U		0.5	U		0.5	U		
CIS-1,3-DICHLOROPROPENE	0.5	U		0.5	U		0.5	U		0.5	U		
CYCLOHEXANE	2	U		2	U		2	U		2	U		
DICHLORODIFLUOROMETHANE	2	U		2	U		2	U		2	U		

PROJ_NO: 08005-WE15 SDG: SC39221 FRACTION: OV MEDIA: WATER	NSAMPLE	TF1-MW-1008-091317			TF1-MW-7-091317			TF1-TB-091317		
	LAB_ID	SC39221-04			SC39221-06			SC39221-08		
	SAMP_DATE	9/13/2017			9/13/2017			9/13/2017		
	QC_TYPE	NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0		
	DUP_OF									
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
1,1,1-TRICHLOROETHANE	1	U		1	U		1	U		
1,1,2,2-TETRACHLOROETHANE	0.5	U		0.5	U		0.5	U		
1,1,2-TRICHLOROETHANE	0.5	U		0.5	U		0.5	U		
1,1,2-TRICHLOROTRIFLUOROETHANE	1	U		1	U		1	U		
1,1-DICHLOROETHANE	1	U		1	U		1	U		
1,1-DICHLOROETHENE	1	U		1	U		1	U		
1,2,3-TRICHLOROBENZENE	1	U		1	U		1	U		
1,2,4-TRICHLOROBENZENE	1	U		1	U		1	U		
1,2-DIBROMO-3-CHLOROPROPANE	2	U		2	U		2	U		
1,2-DIBROMOETHANE	0.5	U		0.5	U		0.5	U		
1,2-DICHLOROBENZENE	0.5	U		0.5	U		0.5	U		
1,2-DICHLOROETHANE	1	U		1	U		1	U		
1,2-DICHLOROPROPANE	1	U		1	U		1	U		
1,3-DICHLOROBENZENE	0.5	U		0.5	U		0.5	U		
1,4-DICHLOROBENZENE	0.5	U		0.5	U		0.5	U		
2-BUTANONE	2	U		2	U		2	U		
2-HEXANONE	2	U		2	U		2	U		
4-METHYL-2-PENTANONE	2	U		2	U		2	U		
ACETONE	2	U		2	U		2	U		
BENZENE	0.5	U		0.5	U		0.5	U		
BROMOCHLOROMETHANE	1	U		1	U		1	U		
BROMODICHLOROMETHANE	0.5	U		0.5	U		0.5	U		
BROMOFORM	1	U		1	U		1	U		
BROMOMETHANE	2	U		2	U		2	U		
CARBON DISULFIDE	1	U		1	U		1	U		
CARBON TETRACHLORIDE	1	U		1	U		1	U		
CHLOROBENZENE	0.5	U		0.5	U		0.5	U		
CHLORODIBROMOMETHANE	0.5	U		0.5	U		0.5	U		
CHLOROETHANE	2	U		2	U		2	U		
CHLOROFORM	1	U		1	U		1	U		
CHLOROMETHANE	1	U		1	U		1	U		
CIS-1,2-DICHLOROETHENE	0.5	U		0.5	U		0.5	U		
CIS-1,3-DICHLOROPROPENE	0.5	U		0.5	UJ	D	0.5	U		
CYCLOHEXANE	2	U		2	U		2	U		
DICHLORODIFLUOROMETHANE	2	U		2	U		2	U		

PROJ_NO: 08005-WE15 SDG: SC39221 FRACTION: OV MEDIA: WATER	NSAMPLE	TF1-DUP-04-091317			TF1-GT-108-091317			TF1-GT-117-091317			TF1-GT-125-091317		
	LAB_ID	SC39221-05			SC39221-03			SC39221-02			SC39221-09		
	SAMP_DATE	9/13/2017			9/13/2017			9/13/2017			9/13/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF	TF1-MW-1008-091317											
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
ETHYLBENZENE	0.5	U		0.5	U		0.5	U		0.5	U		
ISOPROPYLBENZENE	1	U		1	U		1	U		1	U		
M+P-XYLENES	1	U		1	U		1	U		1	U		
METHYL ACETATE	2	U		2	U		2	U		2	U		
METHYL CYCLOHEXANE	2	U		2	U		2	U		2	U		
METHYL TERT-BUTYL ETHER	0.3	J	P	0.8	J	P	0.5	U		0.5	U		
METHYLENE CHLORIDE	2	U		2	U		2	U		2	U		
O-XYLENE	1	U		1	U		1	U		1	U		
STYRENE	1	U		1	U		1	U		1	U		
TETRACHLOROETHENE	1	U		1	U		1	U		1	U		
TOLUENE	1	U		1	U		1	U		1	U		
TRANS-1,2-DICHLOROETHENE	1	U		1	U		1	U		1	U		
TRANS-1,3-DICHLOROPROPENE	0.5	U		0.5	U		0.5	U		0.5	U		
TRICHLOROETHENE	1	U		1	U		1	U		1	U		
TRICHLOROFUOROMETHANE	1	U		1	U		1	U		1	U		
VINYL CHLORIDE	1	U		1	U		1	U		1	U		

PROJ_NO: 08005-WE15 SDG: SC39221 FRACTION: OV MEDIA: WATER	NSAMPLE	TF1-MW-1008-091317			TF1-MW-7-091317			TF1-TB-091317		
	LAB_ID	SC39221-04			SC39221-06			SC39221-08		
	SAMP_DATE	9/13/2017			9/13/2017			9/13/2017		
	QC_TYPE	NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0		
	DUP_OF									
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
ETHYLBENZENE	0.5	U		0.5	U		0.5	U		
ISOPROPYLBENZENE	1	U		1	U		1	U		
M+P-XYLENES	1	U		1	U		1	U		
METHYL ACETATE	2	U		2	UJ	D	2	U		
METHYL CYCLOHEXANE	2	U		2	UJ	D	2	U		
METHYL TERT-BUTYL ETHER	0.3	J	P	6.8			0.5	U		
METHYLENE CHLORIDE	2	U		2	U		2	U		
O-XYLENE	1	U		1	U		1	U		
STYRENE	1	U		1	U		1	U		
TETRACHLOROETHENE	1	U		1	U		1	U		
TOLUENE	1	U		1	U		1	U		
TRANS-1,2-DICHLOROETHENE	1	U		1	U		1	U		
TRANS-1,3-DICHLOROPROPENE	0.5	U		0.5	UJ	D	0.5	U		
TRICHLOROETHENE	1	U		1	U		1	U		
TRICHLOROFUOROMETHANE	1	U		1	U		1	U		
VINYL CHLORIDE	1	U		1	U		1	U		

PROJ_NO: 08005-WE15 SDG: SC39221 FRACTION: OS MEDIA: WATER	NSAMPLE	TF1-DUP-04-091317			TF1-GT-108-091317			TF1-GT-117-091317			TF1-MW-1008-091317		
	LAB_ID	SC39221-05			SC39221-03			SC39221-02			SC39221-04		
	SAMP_DATE	9/13/2017			9/13/2017			9/13/2017			9/13/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF	TF1-MW-1008-091317											
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
1-METHYLNAPHTHALENE	0.926	U		0.962	U		1.02	U		0.943	U		
2-METHYLNAPHTHALENE	0.926	U		0.962	U		1.02	U		0.943	U		
ACENAPHTHENE	0.926	U		0.962	U		1.02	U		0.943	U		
ACENAPHTHYLENE	0.926	U		0.962	U		1.02	U		0.943	U		
ANTHRACENE	0.926	UJ	E	0.962	UJ	E	1.02	UJ	E	0.943	UJ	E	
BENZO(A)ANTHRACENE	0.926	UJ	E	0.962	UJ	E	1.02	UJ	E	0.943	UJ	E	
BENZO(A)PYRENE	0.926	U		0.962	U		1.02	U		0.943	U		
BENZO(B)FLUORANTHENE	0.926	UJ	E	0.962	UJ	E	1.02	UJ	E	0.943	UJ	E	
BENZO(G,H,I)PERYLENE	0.926	UJ	E	0.962	UJ	E	1.02	UJ	E	0.943	UJ	E	
BENZO(K)FLUORANTHENE	0.926	U		0.962	U		1.02	U		0.943	U		
CHRYSENE	0.926	UJ	E	0.962	UJ	E	1.02	UJ	E	0.943	UJ	E	
DIBENZO(A,H)ANTHRACENE	0.926	U		0.962	U		1.02	U		0.943	U		
FLUORANTHENE	0.926	UJ	E	0.962	UJ	E	1.02	UJ	E	0.943	UJ	E	
FLUORENE	0.926	UJ	E	0.962	UJ	E	1.02	UJ	E	0.943	UJ	E	
INDENO(1,2,3-CD)PYRENE	0.926	U		0.962	U		1.02	U		0.943	U		
NAPHTHALENE	0.926	U		0.962	U		1.02	U		0.943	U		
PHENANTHRENE	0.926	UJ	E	0.962	UJ	E	1.02	UJ	E	0.943	UJ	E	
PYRENE	0.926	UJ	E	0.962	UJ	E	1.02	UJ	E	0.943	UJ	E	

PROJ_NO: 08005-WE15 SDG: SC39221 FRACTION: OS MEDIA: WATER	NSAMPLE	TF1-MW-7-091317		
	LAB_ID	SC39221-06		
	SAMP_DATE	9/13/2017		
	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER	RESULT	VQL	QLCD	
1-METHYLNAPHTHALENE	1.02	U		
2-METHYLNAPHTHALENE	1.02	U		
ACENAPHTHENE	1.02	U		
ACENAPHTHYLENE	1.02	U		
ANTHRACENE	1.02	UJ	DE	
BENZO(A)ANTHRACENE	1.02	UJ	DE	
BENZO(A)PYRENE	1.02	U		
BENZO(B)FLUORANTHENE	1.02	UJ	E	
BENZO(G,H,I)PERYLENE	1.02	UJ	E	
BENZO(K)FLUORANTHENE	1.02	U		
CHRYSENE	1.02	UJ	DE	
DIBENZO(A,H)ANTHRACENE	1.02	U		
FLUORANTHENE	1.02	UJ	DE	
FLUORENE	1.02	UJ	DE	
INDENO(1,2,3-CD)PYRENE	1.02	U		
NAPHTHALENE	1.02	U		
PHENANTHRENE	1.02	UJ	DE	
PYRENE	1.02	UJ	DE	

PROJ_NO: 08005-WE15 SDG: SC39221 FRACTION: PEST MEDIA: WATER	NSAMPLE	TF1-DUP-04-091317			TF1-GT-108-091317			TF1-GT-117-091317			TF1-GZ-106-091317		
	LAB_ID	SC39221-05			SC39221-03			SC39221-02			SC39221-01		
	SAMP_DATE	9/13/2017			9/13/2017			9/13/2017			9/13/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF	TF1-MW-1008-091317											
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
4,4'-DDD	0.019	U		0.02	U		0.02	U		0.019	U		
4,4'-DDE	0.019	U		0.02	U		0.02	U		0.019	U		
4,4'-DDT	0.029	U		0.03	U		0.03	U		0.029	U		
ALACHLOR	0.019	U		0.02	U		0.02	U		0.019	U		
ALDRIN	0.019	U		0.02	U		0.02	U		0.019	U		
ALPHA-BHC	0.019	U		0.02	U		0.02	U		0.019	U		
ALPHA-CHLORDANE	0.019	U		0.02	U		0.02	U		0.019	U		
BETA-BHC	0.019	U		0.02	U		0.02	U		0.019	U		
CHLORDANE	0.063	U		0.064	U		0.065	U		0.063	U		
DELTA-BHC	0.019	U		0.02	U		0.02	U		0.019	U		
DIELDRIN	0.019	U		0.02	U		0.02	U		0.019	U		
ENDOSULFAN I	0.019	U		0.02	U		0.02	U		0.019	U		
ENDOSULFAN II	0.019	U		0.02	U		0.02	U		0.019	U		
ENDOSULFAN SULFATE	0.019	U		0.02	U		0.02	U		0.019	U		
ENDRIN	0.019	U		0.02	U		0.02	U		0.019	U		
ENDRIN ALDEHYDE	0.019	U		0.02	U		0.02	U		0.019	U		
ENDRIN KETONE	0.019	U		0.02	U		0.02	U		0.019	U		
GAMMA-BHC (LINDANE)	0.019	U		0.02	U		0.02	U		0.019	U		
GAMMA-CHLORDANE	0.019	U		0.02	U		0.02	U		0.019	U		
HEPTACHLOR	0.019	U		0.02	U		0.02	U		0.019	U		
HEPTACHLOR EPOXIDE	0.019	U		0.02	U		0.02	U		0.019	U		
METHOXYCHLOR	0.019	U		0.02	U		0.02	U		0.019	U		
TOXAPHENE	0.481	U		0.495	U		0.5	U		0.481	U		

PROJ_NO: 08005-WE15 SDG: SC39221 FRACTION: PEST MEDIA: WATER	NSAMPLE	TF1-MW-1008-091317			TF1-MW-7-091317		
	LAB_ID	SC39221-04			SC39221-06		
	SAMP_DATE	9/13/2017			9/13/2017		
	QC_TYPE	NM			NM		
	UNITS	UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0		
	DUP_OF						
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
4,4'-DDD	0.019	U		0.021	UJ	R	
4,4'-DDE	0.019	U		0.021	UJ	R	
4,4'-DDT	0.029	U		0.031	UJ	R	
ALACHLOR	0.019	U		0.021	UJ	R	
ALDRIN	0.019	U		0.021	UJ	R	
ALPHA-BHC	0.019	U		0.021	UJ	R	
ALPHA-CHLORDANE	0.019	U		0.021	UJ	R	
BETA-BHC	0.019	U		0.021	UJ	R	
CHLORDANE	0.063	U		0.068	UJ	R	
DELTA-BHC	0.019	U		0.021	UJ	R	
DIELDRIN	0.019	U		0.021	UJ	R	
ENDOSULFAN I	0.019	U		0.021	UJ	R	
ENDOSULFAN II	0.019	U		0.021	UJ	R	
ENDOSULFAN SULFATE	0.019	U		0.021	UJ	R	
ENDRIN	0.019	U		0.021	UJ	R	
ENDRIN ALDEHYDE	0.019	U		0.021	UJ	R	
ENDRIN KETONE	0.019	U		0.021	UJ	R	
GAMMA-BHC (LINDANE)	0.019	U		0.021	UJ	R	
GAMMA-CHLORDANE	0.019	U		0.021	UJ	R	
HEPTACHLOR	0.019	U		0.021	UJ	R	
HEPTACHLOR EPOXIDE	0.019	U		0.021	UJ	R	
METHOXYCHLOR	0.019	U		0.021	UJ	R	
TOXAPHENE	0.481	U		0.521	UJ	R	

PROJ_NO: 08005-WE15 SDG: SC39221 FRACTION: PCB MEDIA: WATER	NSAMPLE	TF1-MW-1008-091317			TF1-MW-7-091317		
	LAB_ID	SC39221-04			SC39221-06		
	SAMP_DATE	9/13/2017			9/13/2017		
	QC_TYPE	NM			NM		
	UNITS	UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0		
	DUP_OF						
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
AROCLOR-1016	0.192	U		0.208	U		
AROCLOR-1221	0.192	U		0.208	U		
AROCLOR-1232	0.192	U		0.208	U		
AROCLOR-1242	0.192	U		0.208	U		
AROCLOR-1248	0.192	U		0.208	U		
AROCLOR-1254	0.192	U		0.208	U		
AROCLOR-1260	0.192	U		0.208	U		
AROCLOR-1262	0.192	U		0.208	U		
AROCLOR-1268	0.192	U		0.208	U		

PROJ_NO: 08005-WE15 SDG: SC39221 FRACTION: PFAS MEDIA: WATER	NSAMPLE	TF1-DUP-04-091317			TF1-FRB-091317			TF1-GT-108-091317			TF1-GT-117-091317		
	LAB_ID	SC39221-05			SC39221-07			SC39221-03			SC39221-02		
	SAMP_DATE	9/13/2017			9/13/2017			9/13/2017			9/13/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	NG/L			NG/L			NG/L			NG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF	TF1-MW-1008-091317											
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
PENTADECAFLUOROOCCTANOIC ACID	59			2 U			6			3			
PERFLUOROBUTANESULFONIC ACID	21			3 U			3			2 J	P		
PERFLUOROBUTANOIC ACID	34			10 U			3 J	P		10 U			
PERFLUORODECANE SULFONIC ACID	6 U			6 U			6 U			6 U			
PERFLUORODECANOIC ACID	2 U			2 U			2 U			2 U			
PERFLUORODODECANOIC ACID	2 U			2 U			2 U			2 U			
PERFLUOROHEPTANESULFONIC ACID	6 U			6 U			6 U			6 U			
PERFLUOROHEPTANOIC ACID	16			2 U			2 J	P		0.7 J	P		
PERFLUOROHEXANESULFONIC ACID	43			3 U			5			4			
PERFLUOROHEXANOIC ACID	120			2 U			4			1 J	P		
PERFLUORONONANOIC ACID	2 U			2 U			5			2 J	P		
PERFLUOROOCTANE SULFONAMIDE	9 UJ	R		9 UJ	R		9 UJ	R		9 UJ	R		
PERFLUOROOCTANE SULFONIC ACID	5 J	P		6 U			5 J	P		3 J	P		
PERFLUOROPENTANOIC ACID	90			2 U			4			1 J	P		
PERFLUOROTETRADECANOIC ACID	2 U			2 U			2 U			2 U			
PERFLUOROTRIDECANOIC ACID	2 U			2 U			2 U			2 U			
PERFLUOROUNDECANOIC ACID	3 U			3 U			3 U			3 U			

PROJ_NO: 08005-WE15 SDG: SC39221 FRACTION: PFAS MEDIA: WATER	NSAMPLE	TF1-GT-125-091317			TF1-MW-1008-091317			TF1-MW-7-091317		
	LAB_ID	SC39221-09			SC39221-04			SC39221-06		
	SAMP_DATE	9/13/2017			9/13/2017			9/13/2017		
	QC_TYPE	NM			NM			NM		
	UNITS	NG/L			NG/L			NG/L		
	PCT_SOLIDS	0.0			0.0			0.0		
	DUP_OF									
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
PENTADECAFLUOROOCCTANOIC ACID	5			67			7			
PERFLUOROBUTANESULFONIC ACID	2 J		P	21			12			
PERFLUOROBUTANOIC ACID	6 J		P	34			8 J		P	
PERFLUORODECANE SULFONIC ACID	6 U			6 U			6 U			
PERFLUORODECANOIC ACID	2 U			2 U			2 U			
PERFLUORODODECANOIC ACID	2 U			2 U			2 U			
PERFLUOROHEPTANESULFONIC ACID	6 U			6 U			6 U			
PERFLUOROHEPTANOIC ACID	3			16			4			
PERFLUOROHEXANESULFONIC ACID	7			38			52			
PERFLUOROHEXANOIC ACID	6			130			19			
PERFLUORONONANOIC ACID	2 U			2 U			2 U			
PERFLUOROOCTANE SULFONAMIDE	9 UJ		R	9 UJ		R	9 UJ		R	
PERFLUOROOCTANE SULFONIC ACID	6 U			6 J		P	16			
PERFLUOROPENTANOIC ACID	6			89			10			
PERFLUOROTETRADECANOIC ACID	2 U			2 U			2 U			
PERFLUOROTRIDECANOIC ACID	2 U			2 U			2 U			
PERFLUOROUNDECANOIC ACID	3 U			3 U			3 U			

PROJ_NO: 08005-WE15 SDG: SC39221 FRACTION: OVG MEDIA: WATER	NSAMPLE	TF1-DUP-04-091317			TF1-GT-108-091317			TF1-GT-117-091317			TF1-GT-125-091317		
	LAB_ID	SC39221-05			SC39221-03			SC39221-02			SC39221-09		
	SAMP_DATE	9/13/2017			9/13/2017			9/13/2017			9/13/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF	TF1-MW-1008-091317											
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
ETHANE	5	U		5	U		5	U		22			
METHANE	2.2	U		117			89			93			

PROJ_NO: 08005-WE15 SDG: SC39221 FRACTION: OVG MEDIA: WATER	NSAMPLE	TF1-MW-1008-091317			TF1-MW-7-091317		
	LAB_ID	SC39221-04			SC39221-06		
	SAMP_DATE	9/13/2017			9/13/2017		
	QC_TYPE	NM			NM		
	UNITS	UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0		
	DUP_OF						
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
ETHANE	5	U		5	U		
METHANE	2.2	U		2.2	U		

PROJ_NO: 08005-WE15 SDG: SC39221 FRACTION: PET MEDIA: WATER	NSAMPLE	TF1-DUP-04-091317			TF1-GT-108-091317			TF1-GT-117-091317			TF1-GT-125-091317		
	LAB_ID	SC39221-05			SC39221-03			SC39221-02			SC39221-09		
	SAMP_DATE	9/13/2017			9/13/2017			9/13/2017			9/13/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/L			MG/L			MG/L			MG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF	TF1-MW-1008-091317											
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
TPH (C08-C44)	0.1	U		0.1	U		0.31			0.14	J	P	

PROJ_NO: 08005-WE15 SDG: SC39221 FRACTION: PET MEDIA: WATER	NSAMPLE	TF1-MW-1008-091317			TF1-MW-7-091317		
	LAB_ID	SC39221-04			SC39221-06		
	SAMP_DATE	9/13/2017			9/13/2017		
	QC_TYPE	NM			NM		
	UNITS	MG/L			MG/L		
	PCT_SOLIDS	0.0			0.0		
	DUP_OF						
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
TPH (C08-C44)	0.1	U		0.11	U		

PROJ_NO: 08005-WE15 SDG: SC39221 FRACTION: M MEDIA: WATER	NSAMPLE	TF1-DUP-04-091317						TF1-GT-108-091317					
	LAB_ID	SC39221-05						SC39221-03					
	SAMP_DATE	9/13/2017						9/13/2017					
	QC_TYPE	NM						NM					
	UNITS	MG/L						MG/L					
	PCT_SOLIDS	0.0			199.0			0.0			199.0		
	DUP_OF	TF1-MW-1008-091317						TF1-MW-1008-091317					
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
ALUMINUM	0.05	U					0.042	J	P				
ANTIMONY				0.001	U					0.001	U		
ARSENIC				0.0018	J	P				0.0138			
BARIUM				0.0118						0.008			
BERYLLIUM				8.2E-05	J	P				0.00025	U		
CADMIUM				0.0005	U					0.0005	U		
CALCIUM	11.3						18.2						
CHROMIUM				0.002	U					0.002	U		
COBALT				0.0316						0.0162			
COPPER				0.001	U					0.0019	J	P	
IRON	25.1	J-	D				3.64	J-	D				
LEAD				0.00025	U					0.001	J	P	
MAGNESIUM	9.5	J	D				4.33	J	D				
MANGANESE				2.51						1.35			
MERCURY	0.00017	J	P				0.0002	U					
MOLYBDENUM				0.0005	U					0.00076	J	P	
NICKEL				0.0529						0.0148			
POTASSIUM	0.64	J	P				3.04						
SELENIUM				0.001	U					0.001	U		
SILVER				0.00025	U					0.00025	U		
SODIUM	31.4						37						
THALLIUM				0.00025	U					0.00025	U		
VANADIUM				0.0005	U					0.0005	U		
ZINC				0.0919						0.0085	J	P	

PROJ_NO: 08005-WE15 SDG: SC39221 FRACTION: M MEDIA: WATER	NSAMPLE	TF1-GT-117-091317						TF1-GT-125-091317					
	LAB_ID	SC39221-02						SC39221-09					
	SAMP_DATE	9/13/2017						9/13/2017					
	QC_TYPE	NM						NM					
	UNITS	MG/L						MG/L					
	PCT_SOLIDS	0.0			199.0			0.0			199.0		
	DUP_OF												
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
ALUMINUM	0.0966						0.05	U					
ANTIMONY				0.001	U					0.001	U		
ARSENIC				0.0453						0.021			
BARIUM				0.0081						0.0051			
BERYLLIUM				0.00025	U					0.00025	U		
CADMIUM				0.0005	U					0.0005	U		
CALCIUM	27.7						32.8						
CHROMIUM				0.00094	J	P				0.002	U		
COBALT				0.0358						0.0158			
COPPER				0.0044						0.001	U		
IRON	33.2	J-	D				2.87	J-	D				
LEAD				0.0012	J	P				0.00025	U		
MAGNESIUM	2.82	J	D				17.1	J	D				
MANGANESE				1.48						7.56			
MERCURY	0.0002	U					0.0002	U					
MOLYBDENUM				0.003						0.00055	J	P	
NICKEL				0.0105						0.0022	J	P	
POTASSIUM	2.3						1.72						
SELENIUM				0.001	U					0.001	U		
SILVER				0.00025	U					0.00025	U		
SODIUM	16.8						5.55						
THALLIUM				0.00025	U					0.00025	U		
VANADIUM				0.00025	J	P				0.0005	U		
ZINC				0.0062	J	P				0.0075	U		

PROJ_NO: 08005-WE15 SDG: SC39221 FRACTION: M MEDIA: WATER	NSAMPLE	TF1-MW-1008-091317						TF1-MW-7-091317					
	LAB_ID	SC39221-04						SC39221-06					
	SAMP_DATE	9/13/2017						9/13/2017					
	QC_TYPE	NM						NM					
	UNITS	MG/L						MG/L					
	PCT_SOLIDS	0.0			199.0			0.0			199.0		
	DUP_OF												
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
ALUMINUM	0.05	U					0.05	U					
ANTIMONY				0.001	U					0.001	U		
ARSENIC				0.0019	J	P				0.0042			
BARIUM				0.0125						0.009			
BERYLLIUM				9.5E-05	J	P				0.00017	J	P	
CADMIUM				0.0005	U					0.0005	U		
CALCIUM	10.7						12.1						
CHROMIUM				0.002	U					0.002	U		
COBALT				0.0305						0.0947			
COPPER				0.001	U					0.001	U		
IRON	24.3	J-	D				21.9	J-	D				
LEAD				0.00025	U					0.00025	U		
MAGNESIUM	9.22	J	D				6.63	J	D				
MANGANESE				2.45						4.34			
MERCURY	0.0002	U					0.0002	U					
MOLYBDENUM				0.0005	U					0.0005	U		
NICKEL				0.0492						0.104			
POTASSIUM	0.623	J	P				0.572	J	P				
SELENIUM				0.001	U					0.001	U		
SILVER				0.00025	U					0.00025	U		
SODIUM	30.4						9.3						
THALLIUM				0.00025	U					0.00025	U		
VANADIUM				0.0005	U					0.0005	U		
ZINC				0.0839						0.0981			

PROJ_NO: 08005-WE15 SDG: SC39221 FRACTION: MISC MEDIA: WATER	NSAMPLE	TF1-DUP-04-091317			TF1-GT-108-091317			TF1-GT-117-091317			TF1-GT-125-091317		
	LAB_ID	SC39221-05			SC39221-03			SC39221-02			SC39221-09		
	SAMP_DATE	9/13/2017			9/13/2017			9/13/2017			9/13/2017		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	MG/L			MG/L			MG/L			MG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
ALKALINITY	39.9	J-	D	47.5	J-	D	54.4	J-	D				
BIOCHEMICAL OXYGEN DEMAND	6			2.97	U		2.97	U					
CHLORIDE	80.4			73.8			43.8						
NITRATE-N	0.1	U		0.1	U		0.026	J	P				
SULFATE	23.2	J	D	4.63	J	D	13.6	J	D				
TOTAL ORGANIC CARBON	0.447	U	A	1.63			3.22			1.64			

PROJ_NO: 08005-WE15 SDG: SC39221 FRACTION: MISC MEDIA: WATER	NSAMPLE	TF1-GZ-106-091317			TF1-MW-1008-091317			TF1-MW-7-091317		
	LAB_ID	SC39221-01			SC39221-04			SC39221-06		
	SAMP_DATE	9/13/2017			9/13/2017			9/13/2017		
	QC_TYPE	NM			NM			NM		
	UNITS	MG/L			MG/L			MG/L		
	PCT_SOLIDS	0.0			0.0			0.0		
	DUP_OF									
PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	
ALKALINITY	18.8	J-	D	39.9	J-	D	41.6	J-	D	
BIOCHEMICAL OXYGEN DEMAND	2.97	U		6			2.97	U		
CHLORIDE	5.51			81.3			21.3			
NITRATE-N	0.08	J	P	0.1	U		0.1	U		
SULFATE	15.6	J	D	23	J	D	37.4	J	D	
TOTAL ORGANIC CARBON				0.431	U	A	0.475	U	A	

Appendix B

Results as Reported by the Laboratory

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

TF1-GT-117-091317

Laboratory: <u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG: <u>SC39221</u>
Client: <u>Tetra Tech, Inc. - Salem, NH</u>	Project: <u>WE15 Tank Farm 1 NAVSTA Newport</u>
Project Number: <u>112G08005-WE15</u>	Received: <u>09/14/17 17:00</u>
Matrix: <u>Ground Water</u>	Laboratory ID: <u>SC39221-02</u>
Sampled: <u>09/13/17 09:50</u>	Prepared: <u>09/21/17 10:44</u>
% Solids:	Preparation: <u>SW846 5030 Water MS</u>
Batch: <u>1716238</u>	Sequence: <u>S708423</u>
	Calibration: <u>1709039</u>
	Instrument: <u>HPV7</u>
Reported to: <u>LOD</u>	

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1	1.0	U	0.5	1.0	1.0
67-64-1	Acetone	1	2.0	U	0.8	2.0	10.0
71-43-2	Benzene	1	0.5	U	0.3	0.5	1.0
74-97-5	Bromochloromethane	1	1.0	U	0.3	1.0	1.0
75-27-4	Bromodichloromethane	1	0.5	U	0.4	0.5	0.5
75-25-2	Bromoform	1	1.0	U	0.4	1.0	1.0
74-83-9	Bromomethane	1	2.0	U	0.9	2.0	2.0
78-93-3	2-Butanone (MEK)	1	2.0	U	1.1	2.0	2.0
75-15-0	Carbon disulfide	1	1.0	U	0.4	1.0	2.0
56-23-5	Carbon tetrachloride	1	1.0	U	0.4	1.0	1.0
108-90-7	Chlorobenzene	1	0.5	U	0.2	0.5	1.0
75-00-3	Chloroethane	1	2.0	U	0.6	2.0	2.0
67-66-3	Chloroform	1	1.0	U	0.3	1.0	1.0
74-87-3	Chloromethane	1	1.0	U	0.4	1.0	2.0
96-12-8	1,2-Dibromo-3-chloropropane	1	2.0	U	0.9	2.0	2.0
124-48-1	Dibromochloromethane	1	0.5	U	0.3	0.5	0.5
106-93-4	1,2-Dibromoethane (EDB)	1	0.5	U	0.2	0.5	0.5
95-50-1	1,2-Dichlorobenzene	1	0.5	U	0.3	0.5	1.0
541-73-1	1,3-Dichlorobenzene	1	0.5	U	0.3	0.5	1.0
106-46-7	1,4-Dichlorobenzene	1	0.5	U	0.3	0.5	1.0
75-71-8	Dichlorodifluoromethane (Freon12)	1	2.0	U	0.6	2.0	2.0
75-34-3	1,1-Dichloroethane	1	1.0	U	0.3	1.0	1.0
107-06-2	1,2-Dichloroethane	1	1.0	U	0.3	1.0	1.0
75-35-4	1,1-Dichloroethene	1	1.0	U	0.7	1.0	1.0
156-59-2	cis-1,2-Dichloroethene	1	0.5	U	0.3	0.5	1.0
156-60-5	trans-1,2-Dichloroethene	1	1.0	U	0.4	1.0	1.0
78-87-5	1,2-Dichloropropane	1	1.0	U	0.3	1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	1	0.5	U	0.4	0.5	0.5
10061-02-6	trans-1,3-Dichloropropene	1	0.5	U	0.3	0.5	0.5
100-41-4	Ethylbenzene	1	0.5	U	0.3	0.5	1.0
591-78-6	2-Hexanone (MBK)	1	2.0	U	0.5	2.0	2.0
98-82-8	Isopropylbenzene	1	1.0	U	0.4	1.0	1.0
1634-04-4	Methyl tert-butyl ether	1	0.5	U	0.2	0.5	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	1	2.0	U	0.5	2.0	2.0
75-09-2	Methylene chloride	1	2.0	U	0.7	2.0	2.0
100-42-5	Styrene	1	1.0	U	0.4	1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	1	0.5	U	0.3	0.5	0.5
127-18-4	Tetrachloroethene	1	1.0	U	0.6	1.0	1.0
108-88-3	Toluene	1	1.0	U	0.3	1.0	1.0

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

TF1-GT-117-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-02 File ID: 3922102.D
 Sampled: 09/13/17 09:50 Prepared: 09/21/17 10:44 Analyzed: 09/23/17 06:01
 % Solids: Preparation: SW846 5030 Water MS Initial/Final: 5 ml / 5 ml
 Batch: 1716238 Sequence: S708423 Calibration: 1709039 Instrument: HPV7
 Reported to: LOD

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
87-61-6	1,2,3-Trichlorobenzene	1	1.0	U	0.4	1.0	1.0
120-82-1	1,2,4-Trichlorobenzene	1	1.0	U	0.4	1.0	1.0
71-55-6	1,1,1-Trichloroethane	1	1.0	U	0.5	1.0	1.0
79-00-5	1,1,2-Trichloroethane	1	0.5	U	0.3	0.5	1.0
79-01-6	Trichloroethene	1	1.0	U	0.5	1.0	1.0
75-69-4	Trichlorofluoromethane (Freon 11)	1	1.0	U	0.5	1.0	1.0
75-01-4	Vinyl chloride	1	1.0	U	0.5	1.0	1.0
179601-23-1	m,p-Xylene	1	1.0	U	0.4	1.0	2.0
95-47-6	o-Xylene	1	1.0	U	0.3	1.0	1.0
110-82-7	Cyclohexane	1	2.0	U	0.8	2.0	5.0
79-20-9	Methyl acetate	1	2.0	U	0.6	2.0	5.0
108-87-2	Methylcyclohexane	1	2.0	U	0.7	2.0	5.0

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

TF1-GT-108-091317

Laboratory: <u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG: <u>SC39221</u>
Client: <u>Tetra Tech, Inc. - Salem, NH</u>	Project: <u>WE15 Tank Farm 1 NAVSTA Newport</u>
Project Number: <u>112G08005-WE15</u>	Received: <u>09/14/17 17:00</u>
Matrix: <u>Ground Water</u>	Laboratory ID: <u>SC39221-03</u>
Sampled: <u>09/13/17 14:30</u>	Prepared: <u>09/21/17 10:44</u>
% Solids:	Preparation: <u>SW846 5030 Water MS</u>
Batch: <u>1716238</u>	Sequence: <u>S708423</u>
	Calibration: <u>1709039</u>
	Instrument: <u>HPV7</u>
Reported to: <u>LOD</u>	

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1	1.0	U	0.5	1.0	1.0
67-64-1	Acetone	1	2.0	U	0.8	2.0	10.0
71-43-2	Benzene	1	0.5	U	0.3	0.5	1.0
74-97-5	Bromochloromethane	1	1.0	U	0.3	1.0	1.0
75-27-4	Bromodichloromethane	1	0.5	U	0.4	0.5	0.5
75-25-2	Bromoform	1	1.0	U	0.4	1.0	1.0
74-83-9	Bromomethane	1	2.0	U	0.9	2.0	2.0
78-93-3	2-Butanone (MEK)	1	2.0	U	1.1	2.0	2.0
75-15-0	Carbon disulfide	1	1.0	U	0.4	1.0	2.0
56-23-5	Carbon tetrachloride	1	1.0	U	0.4	1.0	1.0
108-90-7	Chlorobenzene	1	0.5	U	0.2	0.5	1.0
75-00-3	Chloroethane	1	2.0	U	0.6	2.0	2.0
67-66-3	Chloroform	1	1.0	U	0.3	1.0	1.0
74-87-3	Chloromethane	1	1.0	U	0.4	1.0	2.0
96-12-8	1,2-Dibromo-3-chloropropane	1	2.0	U	0.9	2.0	2.0
124-48-1	Dibromochloromethane	1	0.5	U	0.3	0.5	0.5
106-93-4	1,2-Dibromoethane (EDB)	1	0.5	U	0.2	0.5	0.5
95-50-1	1,2-Dichlorobenzene	1	0.5	U	0.3	0.5	1.0
541-73-1	1,3-Dichlorobenzene	1	0.5	U	0.3	0.5	1.0
106-46-7	1,4-Dichlorobenzene	1	0.5	U	0.3	0.5	1.0
75-71-8	Dichlorodifluoromethane (Freon12)	1	2.0	U	0.6	2.0	2.0
75-34-3	1,1-Dichloroethane	1	1.0	U	0.3	1.0	1.0
107-06-2	1,2-Dichloroethane	1	1.0	U	0.3	1.0	1.0
75-35-4	1,1-Dichloroethene	1	1.0	U	0.7	1.0	1.0
156-59-2	cis-1,2-Dichloroethene	1	0.5	U	0.3	0.5	1.0
156-60-5	trans-1,2-Dichloroethene	1	1.0	U	0.4	1.0	1.0
78-87-5	1,2-Dichloropropane	1	1.0	U	0.3	1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	1	0.5	U	0.4	0.5	0.5
10061-02-6	trans-1,3-Dichloropropene	1	0.5	U	0.3	0.5	0.5
100-41-4	Ethylbenzene	1	0.5	U	0.3	0.5	1.0
591-78-6	2-Hexanone (MBK)	1	2.0	U	0.5	2.0	2.0
98-82-8	Isopropylbenzene	1	1.0	U	0.4	1.0	1.0
1634-04-4	Methyl tert-butyl ether	1	0.8	J	0.2	0.5	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	1	2.0	U	0.5	2.0	2.0
75-09-2	Methylene chloride	1	2.0	U	0.7	2.0	2.0
100-42-5	Styrene	1	1.0	U	0.4	1.0	1.0
79-34-5	1,1,1,2-Tetrachloroethane	1	0.5	U	0.3	0.5	0.5
127-18-4	Tetrachloroethene	1	1.0	U	0.6	1.0	1.0
108-88-3	Toluene	1	1.0	U	0.3	1.0	1.0

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

TF1-GT-108-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-03 File ID: 3922103.D
 Sampled: 09/13/17 14:30 Prepared: 09/21/17 10:44 Analyzed: 09/23/17 06:30
 % Solids: Preparation: SW846 5030 Water MS Initial/Final: 5 ml / 5 ml
 Batch: 1716238 Sequence: S708423 Calibration: 1709039 Instrument: HPV7
 Reported to: LOD

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
87-61-6	1,2,3-Trichlorobenzene	1	1.0	U	0.4	1.0	1.0
120-82-1	1,2,4-Trichlorobenzene	1	1.0	U	0.4	1.0	1.0
71-55-6	1,1,1-Trichloroethane	1	1.0	U	0.5	1.0	1.0
79-00-5	1,1,2-Trichloroethane	1	0.5	U	0.3	0.5	1.0
79-01-6	Trichloroethene	1	1.0	U	0.5	1.0	1.0
75-69-4	Trichlorofluoromethane (Freon 11)	1	1.0	U	0.5	1.0	1.0
75-01-4	Vinyl chloride	1	1.0	U	0.5	1.0	1.0
179601-23-1	m,p-Xylene	1	1.0	U	0.4	1.0	2.0
95-47-6	o-Xylene	1	1.0	U	0.3	1.0	1.0
110-82-7	Cyclohexane	1	2.0	U	0.8	2.0	5.0
79-20-9	Methyl acetate	1	2.0	U	0.6	2.0	5.0
108-87-2	Methylcyclohexane	1	2.0	U	0.7	2.0	5.0

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

TF1-MW-1008-091317

Laboratory: <u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG: <u>SC39221</u>
Client: <u>Tetra Tech, Inc. - Salem, NH</u>	Project: <u>WE15 Tank Farm 1 NAVSTA Newport</u>
Project Number: <u>112G08005-WE15</u>	Received: <u>09/14/17 17:00</u>
Matrix: <u>Ground Water</u>	Laboratory ID: <u>SC39221-04</u>
Sampled: <u>09/13/17 13:20</u>	Prepared: <u>09/21/17 10:44</u>
% Solids:	Preparation: <u>SW846 5030 Water MS</u>
Batch: <u>1716238</u>	Sequence: <u>S708423</u>
	Calibration: <u>1709039</u>
	Instrument: <u>HPV7</u>
Reported to: <u>LOD</u>	

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1	1.0	U	0.5	1.0	1.0
67-64-1	Acetone	1	2.0	U	0.8	2.0	10.0
71-43-2	Benzene	1	0.5	U	0.3	0.5	1.0
74-97-5	Bromochloromethane	1	1.0	U	0.3	1.0	1.0
75-27-4	Bromodichloromethane	1	0.5	U	0.4	0.5	0.5
75-25-2	Bromoform	1	1.0	U	0.4	1.0	1.0
74-83-9	Bromomethane	1	2.0	U	0.9	2.0	2.0
78-93-3	2-Butanone (MEK)	1	2.0	U	1.1	2.0	2.0
75-15-0	Carbon disulfide	1	1.0	U	0.4	1.0	2.0
56-23-5	Carbon tetrachloride	1	1.0	U	0.4	1.0	1.0
108-90-7	Chlorobenzene	1	0.5	U	0.2	0.5	1.0
75-00-3	Chloroethane	1	2.0	U	0.6	2.0	2.0
67-66-3	Chloroform	1	1.0	U	0.3	1.0	1.0
74-87-3	Chloromethane	1	1.0	U	0.4	1.0	2.0
96-12-8	1,2-Dibromo-3-chloropropane	1	2.0	U	0.9	2.0	2.0
124-48-1	Dibromochloromethane	1	0.5	U	0.3	0.5	0.5
106-93-4	1,2-Dibromoethane (EDB)	1	0.5	U	0.2	0.5	0.5
95-50-1	1,2-Dichlorobenzene	1	0.5	U	0.3	0.5	1.0
541-73-1	1,3-Dichlorobenzene	1	0.5	U	0.3	0.5	1.0
106-46-7	1,4-Dichlorobenzene	1	0.5	U	0.3	0.5	1.0
75-71-8	Dichlorodifluoromethane (Freon12)	1	2.0	U	0.6	2.0	2.0
75-34-3	1,1-Dichloroethane	1	1.0	U	0.3	1.0	1.0
107-06-2	1,2-Dichloroethane	1	1.0	U	0.3	1.0	1.0
75-35-4	1,1-Dichloroethene	1	1.0	U	0.7	1.0	1.0
156-59-2	cis-1,2-Dichloroethene	1	0.5	U	0.3	0.5	1.0
156-60-5	trans-1,2-Dichloroethene	1	1.0	U	0.4	1.0	1.0
78-87-5	1,2-Dichloropropane	1	1.0	U	0.3	1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	1	0.5	U	0.4	0.5	0.5
10061-02-6	trans-1,3-Dichloropropene	1	0.5	U	0.3	0.5	0.5
100-41-4	Ethylbenzene	1	0.5	U	0.3	0.5	1.0
591-78-6	2-Hexanone (MBK)	1	2.0	U	0.5	2.0	2.0
98-82-8	Isopropylbenzene	1	1.0	U	0.4	1.0	1.0
1634-04-4	Methyl tert-butyl ether	1	0.3	J	0.2	0.5	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	1	2.0	U	0.5	2.0	2.0
75-09-2	Methylene chloride	1	2.0	U	0.7	2.0	2.0
100-42-5	Styrene	1	1.0	U	0.4	1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	1	0.5	U	0.3	0.5	0.5
127-18-4	Tetrachloroethene	1	1.0	U	0.6	1.0	1.0
108-88-3	Toluene	1	1.0	U	0.3	1.0	1.0

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

TF1-MW-1008-091317

Laboratory: <u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG: <u>SC39221</u>	
Client: <u>Tetra Tech, Inc. - Salem, NH</u>	Project: <u>WE15 Tank Farm 1 NAVSTA Newport</u>	
Project Number: <u>112G08005-WE15</u>	Received: <u>09/14/17 17:00</u>	
Matrix: <u>Ground Water</u>	Laboratory ID: <u>SC39221-04</u>	File ID: <u>3922104.D</u>
Sampled: <u>09/13/17 13:20</u>	Prepared: <u>09/21/17 10:44</u>	Analyzed: <u>09/23/17 06:59</u>
% Solids:	Preparation: <u>SW846 5030 Water MS</u>	Initial/Final: <u>5 ml / 5 ml</u>
Batch: <u>1716238</u>	Sequence: <u>S708423</u>	Calibration: <u>1709039</u>
		Instrument: <u>HPV7</u>
Reported to: <u>LOD</u>		

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
87-61-6	1,2,3-Trichlorobenzene	1	1.0	U	0.4	1.0	1.0
120-82-1	1,2,4-Trichlorobenzene	1	1.0	U	0.4	1.0	1.0
71-55-6	1,1,1-Trichloroethane	1	1.0	U	0.5	1.0	1.0
79-00-5	1,1,2-Trichloroethane	1	0.5	U	0.3	0.5	1.0
79-01-6	Trichloroethene	1	1.0	U	0.5	1.0	1.0
75-69-4	Trichlorofluoromethane (Freon 11)	1	1.0	U	0.5	1.0	1.0
75-01-4	Vinyl chloride	1	1.0	U	0.5	1.0	1.0
179601-23-1	m,p-Xylene	1	1.0	U	0.4	1.0	2.0
95-47-6	o-Xylene	1	1.0	U	0.3	1.0	1.0
110-82-7	Cyclohexane	1	2.0	U	0.8	2.0	5.0
79-20-9	Methyl acetate	1	2.0	U	0.6	2.0	5.0
108-87-2	Methylcyclohexane	1	2.0	U	0.7	2.0	5.0

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

TF1-DUP-04-091317

Laboratory: <u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG: <u>SC39221</u>
Client: <u>Tetra Tech, Inc. - Salem, NH</u>	Project: <u>WE15 Tank Farm 1 NAVSTA Newport</u>
Project Number: <u>112G08005-WE15</u>	Received: <u>09/14/17 17:00</u>
Matrix: <u>Ground Water</u>	Laboratory ID: <u>SC39221-05</u>
Sampled: <u>09/13/17 14:30</u>	Prepared: <u>09/21/17 10:44</u>
% Solids:	Preparation: <u>SW846 5030 Water MS</u>
Batch: <u>1716238</u>	Sequence: <u>S708423</u>
	Calibration: <u>1709039</u>
	Instrument: <u>HPV7</u>
Reported to: <u>LOD</u>	

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1	1.0	U	0.5	1.0	1.0
67-64-1	Acetone	1	2.0	U	0.8	2.0	10.0
71-43-2	Benzene	1	0.5	U	0.3	0.5	1.0
74-97-5	Bromochloromethane	1	1.0	U	0.3	1.0	1.0
75-27-4	Bromodichloromethane	1	0.5	U	0.4	0.5	0.5
75-25-2	Bromoform	1	1.0	U	0.4	1.0	1.0
74-83-9	Bromomethane	1	2.0	U	0.9	2.0	2.0
78-93-3	2-Butanone (MEK)	1	2.0	U	1.1	2.0	2.0
75-15-0	Carbon disulfide	1	1.0	U	0.4	1.0	2.0
56-23-5	Carbon tetrachloride	1	1.0	U	0.4	1.0	1.0
108-90-7	Chlorobenzene	1	0.5	U	0.2	0.5	1.0
75-00-3	Chloroethane	1	2.0	U	0.6	2.0	2.0
67-66-3	Chloroform	1	1.0	U	0.3	1.0	1.0
74-87-3	Chloromethane	1	1.0	U	0.4	1.0	2.0
96-12-8	1,2-Dibromo-3-chloropropane	1	2.0	U	0.9	2.0	2.0
124-48-1	Dibromochloromethane	1	0.5	U	0.3	0.5	0.5
106-93-4	1,2-Dibromoethane (EDB)	1	0.5	U	0.2	0.5	0.5
95-50-1	1,2-Dichlorobenzene	1	0.5	U	0.3	0.5	1.0
541-73-1	1,3-Dichlorobenzene	1	0.5	U	0.3	0.5	1.0
106-46-7	1,4-Dichlorobenzene	1	0.5	U	0.3	0.5	1.0
75-71-8	Dichlorodifluoromethane (Freon12)	1	2.0	U	0.6	2.0	2.0
75-34-3	1,1-Dichloroethane	1	1.0	U	0.3	1.0	1.0
107-06-2	1,2-Dichloroethane	1	1.0	U	0.3	1.0	1.0
75-35-4	1,1-Dichloroethene	1	1.0	U	0.7	1.0	1.0
156-59-2	cis-1,2-Dichloroethene	1	0.5	U	0.3	0.5	1.0
156-60-5	trans-1,2-Dichloroethene	1	1.0	U	0.4	1.0	1.0
78-87-5	1,2-Dichloropropane	1	1.0	U	0.3	1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	1	0.5	U	0.4	0.5	0.5
10061-02-6	trans-1,3-Dichloropropene	1	0.5	U	0.3	0.5	0.5
100-41-4	Ethylbenzene	1	0.5	U	0.3	0.5	1.0
591-78-6	2-Hexanone (MBK)	1	2.0	U	0.5	2.0	2.0
98-82-8	Isopropylbenzene	1	1.0	U	0.4	1.0	1.0
1634-04-4	Methyl tert-butyl ether	1	0.3	J	0.2	0.5	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	1	2.0	U	0.5	2.0	2.0
75-09-2	Methylene chloride	1	2.0	U	0.7	2.0	2.0
100-42-5	Styrene	1	1.0	U	0.4	1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	1	0.5	U	0.3	0.5	0.5
127-18-4	Tetrachloroethene	1	1.0	U	0.6	1.0	1.0
108-88-3	Toluene	1	1.0	U	0.3	1.0	1.0

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

TF1-MW-7-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-06 File ID: 3922106.D
 Sampled: 09/13/17 11:20 Prepared: 09/23/17 10:01 Analyzed: 09/23/17 11:05
 % Solids: Preparation: SW846 5030 Water MS Initial/Final: 5 ml / 5 ml
 Batch: 1716331 Sequence: S708472 Calibration: 1709039 Instrument: HPV7
 Reported to: LOD

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1	1.0	U	0.5	1.0	1.0
67-64-1	Acetone	1	2.0	U	0.8	2.0	10.0
71-43-2	Benzene	1	0.5	U	0.3	0.5	1.0
74-97-5	Bromochloromethane	1	1.0	U	0.3	1.0	1.0
75-27-4	Bromodichloromethane	1	0.5	U	0.4	0.5	0.5
75-25-2	Bromoform	1	1.0	U	0.4	1.0	1.0
74-83-9	Bromomethane	1	2.0	U	0.9	2.0	2.0
78-93-3	2-Butanone (MEK)	1	2.0	U	1.1	2.0	2.0
75-15-0	Carbon disulfide	1	1.0	U	0.4	1.0	2.0
56-23-5	Carbon tetrachloride	1	1.0	U	0.4	1.0	1.0
108-90-7	Chlorobenzene	1	0.5	U	0.2	0.5	1.0
75-00-3	Chloroethane	1	2.0	U	0.6	2.0	2.0
67-66-3	Chloroform	1	1.0	U	0.3	1.0	1.0
74-87-3	Chloromethane	1	1.0	U	0.4	1.0	2.0
96-12-8	1,2-Dibromo-3-chloropropane	1	2.0	U	0.9	2.0	2.0
124-48-1	Dibromochloromethane	1	0.5	U	0.3	0.5	0.5
106-93-4	1,2-Dibromoethane (EDB)	1	0.5	U	0.2	0.5	0.5
95-50-1	1,2-Dichlorobenzene	1	0.5	U	0.3	0.5	1.0
541-73-1	1,3-Dichlorobenzene	1	0.5	U	0.3	0.5	1.0
106-46-7	1,4-Dichlorobenzene	1	0.5	U	0.3	0.5	1.0
75-71-8	Dichlorodifluoromethane (Freon12)	1	2.0	U	0.6	2.0	2.0
75-34-3	1,1-Dichloroethane	1	1.0	U	0.3	1.0	1.0
107-06-2	1,2-Dichloroethane	1	1.0	U	0.3	1.0	1.0
75-35-4	1,1-Dichloroethene	1	1.0	U	0.7	1.0	1.0
156-59-2	cis-1,2-Dichloroethene	1	0.5	U	0.3	0.5	1.0
156-60-5	trans-1,2-Dichloroethene	1	1.0	U	0.4	1.0	1.0
78-87-5	1,2-Dichloropropane	1	1.0	U	0.3	1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	1	0.5	U	0.4	0.5	0.5
10061-02-6	trans-1,3-Dichloropropene	1	0.5	U	0.3	0.5	0.5
100-41-4	Ethylbenzene	1	0.5	U	0.3	0.5	1.0
591-78-6	2-Hexanone (MBK)	1	2.0	U	0.5	2.0	2.0
98-82-8	Isopropylbenzene	1	1.0	U	0.4	1.0	1.0
1634-04-4	Methyl tert-butyl ether	1	6.8		0.2	0.5	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	1	2.0	U	0.5	2.0	2.0
75-09-2	Methylene chloride	1	2.0	U	0.7	2.0	2.0
100-42-5	Styrene	1	1.0	U	0.4	1.0	1.0
79-34-5	1,1,1,2-Tetrachloroethane	1	0.5	U	0.3	0.5	0.5
127-18-4	Tetrachloroethene	1	1.0	U	0.6	1.0	1.0
108-88-3	Toluene	1	1.0	U	0.3	1.0	1.0

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

TF1-TB-091317

Laboratory: <u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG: <u>SC39221</u>		
Client: <u>Tetra Tech, Inc. - Salem, NH</u>	Project: <u>WE15 Tank Farm 1 NAVSTA Newport</u>		
Project Number: <u>112G08005-WE15</u>	Received: <u>09/14/17 17:00</u>		
Matrix: <u>QC</u>	Laboratory ID: <u>SC39221-08</u>	File ID: <u>3922108.D</u>	
Sampled: <u>09/13/17 07:30</u>	Prepared: <u>09/23/17 10:01</u>	Analyzed: <u>09/23/17 11:34</u>	
% Solids:	Preparation: <u>SW846 5030 Water MS</u>	Initial/Final: <u>5 ml / 5 ml</u>	
Batch: <u>1716331</u>	Sequence: <u>S708472</u>	Calibration: <u>1709039</u>	Instrument: <u>HPV7</u>
Reported to: <u>LOD</u>			

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1	1.0	U	0.5	1.0	1.0
67-64-1	Acetone	1	2.0	U	0.8	2.0	10.0
71-43-2	Benzene	1	0.5	U	0.3	0.5	1.0
74-97-5	Bromochloromethane	1	1.0	U	0.3	1.0	1.0
75-27-4	Bromodichloromethane	1	0.5	U	0.4	0.5	0.5
75-25-2	Bromoform	1	1.0	U	0.4	1.0	1.0
74-83-9	Bromomethane	1	2.0	U	0.9	2.0	2.0
78-93-3	2-Butanone (MEK)	1	2.0	U	1.1	2.0	2.0
75-15-0	Carbon disulfide	1	1.0	U	0.4	1.0	2.0
56-23-5	Carbon tetrachloride	1	1.0	U	0.4	1.0	1.0
108-90-7	Chlorobenzene	1	0.5	U	0.2	0.5	1.0
75-00-3	Chloroethane	1	2.0	U	0.6	2.0	2.0
67-66-3	Chloroform	1	1.0	U	0.3	1.0	1.0
74-87-3	Chloromethane	1	1.0	U	0.4	1.0	2.0
96-12-8	1,2-Dibromo-3-chloropropane	1	2.0	U	0.9	2.0	2.0
124-48-1	Dibromochloromethane	1	0.5	U	0.3	0.5	0.5
106-93-4	1,2-Dibromoethane (EDB)	1	0.5	U	0.2	0.5	0.5
95-50-1	1,2-Dichlorobenzene	1	0.5	U	0.3	0.5	1.0
541-73-1	1,3-Dichlorobenzene	1	0.5	U	0.3	0.5	1.0
106-46-7	1,4-Dichlorobenzene	1	0.5	U	0.3	0.5	1.0
75-71-8	Dichlorodifluoromethane (Freon12)	1	2.0	U	0.6	2.0	2.0
75-34-3	1,1-Dichloroethane	1	1.0	U	0.3	1.0	1.0
107-06-2	1,2-Dichloroethane	1	1.0	U	0.3	1.0	1.0
75-35-4	1,1-Dichloroethene	1	1.0	U	0.7	1.0	1.0
156-59-2	cis-1,2-Dichloroethene	1	0.5	U	0.3	0.5	1.0
156-60-5	trans-1,2-Dichloroethene	1	1.0	U	0.4	1.0	1.0
78-87-5	1,2-Dichloropropane	1	1.0	U	0.3	1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	1	0.5	U	0.4	0.5	0.5
10061-02-6	trans-1,3-Dichloropropene	1	0.5	U	0.3	0.5	0.5
100-41-4	Ethylbenzene	1	0.5	U	0.3	0.5	1.0
591-78-6	2-Hexanone (MBK)	1	2.0	U	0.5	2.0	2.0
98-82-8	Isopropylbenzene	1	1.0	U	0.4	1.0	1.0
1634-04-4	Methyl tert-butyl ether	1	0.5	U	0.2	0.5	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	1	2.0	U	0.5	2.0	2.0
75-09-2	Methylene chloride	1	2.0	U	0.7	2.0	2.0
100-42-5	Styrene	1	1.0	U	0.4	1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	1	0.5	U	0.3	0.5	0.5
127-18-4	Tetrachloroethene	1	1.0	U	0.6	1.0	1.0
108-88-3	Toluene	1	1.0	U	0.3	1.0	1.0

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

TF1-TB-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: QC Laboratory ID: SC39221-08 File ID: 3922108.D
 Sampled: 09/13/17 07:30 Prepared: 09/23/17 10:01 Analyzed: 09/23/17 11:34
 % Solids: Preparation: SW846 5030 Water MS Initial/Final: 5 ml / 5 ml
 Batch: 1716331 Sequence: S708472 Calibration: 1709039 Instrument: HPV7
 Reported to: LOD

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
87-61-6	1,2,3-Trichlorobenzene	1	1.0	U	0.4	1.0	1.0
120-82-1	1,2,4-Trichlorobenzene	1	1.0	U	0.4	1.0	1.0
71-55-6	1,1,1-Trichloroethane	1	1.0	U	0.5	1.0	1.0
79-00-5	1,1,2-Trichloroethane	1	0.5	U	0.3	0.5	1.0
79-01-6	Trichloroethene	1	1.0	U	0.5	1.0	1.0
75-69-4	Trichlorofluoromethane (Freon 11)	1	1.0	U	0.5	1.0	1.0
75-01-4	Vinyl chloride	1	1.0	U	0.5	1.0	1.0
179601-23-1	m,p-Xylene	1	1.0	U	0.4	1.0	2.0
95-47-6	o-Xylene	1	1.0	U	0.3	1.0	1.0
110-82-7	Cyclohexane	1	2.0	U	0.8	2.0	5.0
79-20-9	Methyl acetate	1	2.0	U	0.6	2.0	5.0
108-87-2	Methylcyclohexane	1	2.0	U	0.7	2.0	5.0

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

TF1-GT-125-091317

Laboratory: <u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG: <u>SC39221</u>
Client: <u>Tetra Tech, Inc. - Salem, NH</u>	Project: <u>WE15 Tank Farm 1 NAVSTA Newport</u>
Project Number: <u>112G08005-WE15</u>	Received: <u>09/14/17 17:00</u>
Matrix: <u>Ground Water</u>	Laboratory ID: <u>SC39221-09</u>
Sampled: <u>09/13/17 10:45</u>	Prepared: <u>09/23/17 10:01</u>
% Solids:	Preparation: <u>SW846 5030 Water MS</u>
Batch: <u>1716331</u>	Sequence: <u>S708472</u>
	Calibration: <u>1709039</u>
	Instrument: <u>HPV7</u>
Reported to: <u>LOD</u>	

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1	1.0	U	0.5	1.0	1.0
67-64-1	Acetone	1	2.0	U	0.8	2.0	10.0
71-43-2	Benzene	1	0.5	U	0.3	0.5	1.0
74-97-5	Bromochloromethane	1	1.0	U	0.3	1.0	1.0
75-27-4	Bromodichloromethane	1	0.5	U	0.4	0.5	0.5
75-25-2	Bromoform	1	1.0	U	0.4	1.0	1.0
74-83-9	Bromomethane	1	2.0	U	0.9	2.0	2.0
78-93-3	2-Butanone (MEK)	1	2.0	U	1.1	2.0	2.0
75-15-0	Carbon disulfide	1	1.0	U	0.4	1.0	2.0
56-23-5	Carbon tetrachloride	1	1.0	U	0.4	1.0	1.0
108-90-7	Chlorobenzene	1	0.5	U	0.2	0.5	1.0
75-00-3	Chloroethane	1	2.0	U	0.6	2.0	2.0
67-66-3	Chloroform	1	1.0	U	0.3	1.0	1.0
74-87-3	Chloromethane	1	1.0	U	0.4	1.0	2.0
96-12-8	1,2-Dibromo-3-chloropropane	1	2.0	U	0.9	2.0	2.0
124-48-1	Dibromochloromethane	1	0.5	U	0.3	0.5	0.5
106-93-4	1,2-Dibromoethane (EDB)	1	0.5	U	0.2	0.5	0.5
95-50-1	1,2-Dichlorobenzene	1	0.5	U	0.3	0.5	1.0
541-73-1	1,3-Dichlorobenzene	1	0.5	U	0.3	0.5	1.0
106-46-7	1,4-Dichlorobenzene	1	0.5	U	0.3	0.5	1.0
75-71-8	Dichlorodifluoromethane (Freon12)	1	2.0	U	0.6	2.0	2.0
75-34-3	1,1-Dichloroethane	1	1.0	U	0.3	1.0	1.0
107-06-2	1,2-Dichloroethane	1	1.0	U	0.3	1.0	1.0
75-35-4	1,1-Dichloroethene	1	1.0	U	0.7	1.0	1.0
156-59-2	cis-1,2-Dichloroethene	1	0.5	U	0.3	0.5	1.0
156-60-5	trans-1,2-Dichloroethene	1	1.0	U	0.4	1.0	1.0
78-87-5	1,2-Dichloropropane	1	1.0	U	0.3	1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	1	0.5	U	0.4	0.5	0.5
10061-02-6	trans-1,3-Dichloropropene	1	0.5	U	0.3	0.5	0.5
100-41-4	Ethylbenzene	1	0.5	U	0.3	0.5	1.0
591-78-6	2-Hexanone (MBK)	1	2.0	U	0.5	2.0	2.0
98-82-8	Isopropylbenzene	1	1.0	U	0.4	1.0	1.0
1634-04-4	Methyl tert-butyl ether	1	0.5	U	0.2	0.5	1.0
108-10-1	4-Methyl-2-pentanone (MIBK)	1	2.0	U	0.5	2.0	2.0
75-09-2	Methylene chloride	1	2.0	U	0.7	2.0	2.0
100-42-5	Styrene	1	1.0	U	0.4	1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	1	0.5	U	0.3	0.5	0.5
127-18-4	Tetrachloroethene	1	1.0	U	0.6	1.0	1.0
108-88-3	Toluene	1	1.0	U	0.3	1.0	1.0

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

TF1-GT-125-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-09 File ID: 3922109.D
 Sampled: 09/13/17 10:45 Prepared: 09/23/17 10:01 Analyzed: 09/23/17 12:03
 % Solids: Preparation: SW846 5030 Water MS Initial/Final: 5 ml / 5 ml
 Batch: 1716331 Sequence: S708472 Calibration: 1709039 Instrument: HPV7
 Reported to: LOD

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
87-61-6	1,2,3-Trichlorobenzene	1	1.0	U	0.4	1.0	1.0
120-82-1	1,2,4-Trichlorobenzene	1	1.0	U	0.4	1.0	1.0
71-55-6	1,1,1-Trichloroethane	1	1.0	U	0.5	1.0	1.0
79-00-5	1,1,2-Trichloroethane	1	0.5	U	0.3	0.5	1.0
79-01-6	Trichloroethene	1	1.0	U	0.5	1.0	1.0
75-69-4	Trichlorofluoromethane (Freon 11)	1	1.0	U	0.5	1.0	1.0
75-01-4	Vinyl chloride	1	1.0	U	0.5	1.0	1.0
179601-23-1	m,p-Xylene	1	1.0	U	0.4	1.0	2.0
95-47-6	o-Xylene	1	1.0	U	0.3	1.0	1.0
110-82-7	Cyclohexane	1	2.0	U	0.8	2.0	5.0
79-20-9	Methyl acetate	1	2.0	U	0.6	2.0	5.0
108-87-2	Methylcyclohexane	1	2.0	U	0.7	2.0	5.0

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

TF1-GT-117-091317

Laboratory: <u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG: <u>SC39221</u>		
Client: <u>Tetra Tech, Inc. - Salem, NH</u>	Project: <u>WE15 Tank Farm 1 NAVSTA Newport</u>		
Project Number: <u>112G08005-WE15</u>	Received: <u>09/14/17 17:00</u>		
Matrix: <u>Ground Water</u>	Laboratory ID: <u>SC39221-02</u>	File ID: <u>C3922102.D</u>	
Sampled: <u>09/13/17 09:50</u>	Prepared: <u>09/20/17 10:00</u>	Analyzed: <u>09/22/17 03:16</u>	
% Solids:	Preparation: <u>SW846 3510C</u>	Initial/Final: <u>980 ml / 1 ml</u>	
Batch: <u>1716100</u>	Sequence: <u>S708552</u>	Calibration: <u>1709033</u>	Instrument: <u>HPS5</u>
Reported to: <u>LOD</u>			

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
83-32-9	Acenaphthene	1	1.02	U	0.705	1.02	5.10
208-96-8	Acenaphthylene	1	1.02	U	0.697	1.02	5.10
120-12-7	Anthracene	1	1.02	U	0.620	1.02	5.10
56-55-3	Benzo (a) anthracene	1	1.02	U	0.547	1.02	5.10
50-32-8	Benzo (a) pyrene	1	1.02	U	0.573	1.02	5.10
205-99-2	Benzo (b) fluoranthene	1	1.02	U	0.446	1.02	5.10
191-24-2	Benzo (g,h,i) perylene	1	1.02	U	0.541	1.02	5.10
207-08-9	Benzo (k) fluoranthene	1	1.02	U	0.490	1.02	5.10
218-01-9	Chrysene	1	1.02	U	0.543	1.02	5.10
53-70-3	Dibenzo (a,h) anthracene	1	1.02	U	0.459	1.02	5.10
206-44-0	Fluoranthene	1	1.02	U	0.651	1.02	5.10
86-73-7	Fluorene	1	1.02	U	0.624	1.02	5.10
193-39-5	Indeno (1,2,3-cd) pyrene	1	1.02	U	0.592	1.02	5.10
90-12-0	1-Methylnaphthalene	1	1.02	U	0.748	1.02	5.10
91-57-6	2-Methylnaphthalene	1	1.02	U	0.586	1.02	5.10
91-20-3	Naphthalene	1	1.02	U	0.699	1.02	5.10
85-01-8	Phenanthrene	1	1.02	U	0.598	1.02	5.10
129-00-0	Pyrene	1	1.02	U	0.622	1.02	5.10

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

TF1-GT-108-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-03 File ID: C3922103.D
 Sampled: 09/13/17 14:30 Prepared: 09/20/17 10:00 Analyzed: 09/22/17 03:48
 % Solids: Preparation: SW846 3510C Initial/Final: 1040 ml / 1 ml
 Batch: 1716100 Sequence: S708552 Calibration: 1709033 Instrument: HPS5
 Reported to: LOD

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
83-32-9	Acenaphthene	1	0.962	U	0.664	0.962	4.81
208-96-8	Acenaphthylene	1	0.962	U	0.657	0.962	4.81
120-12-7	Anthracene	1	0.962	U	0.585	0.962	4.81
56-55-3	Benzo (a) anthracene	1	0.962	U	0.515	0.962	4.81
50-32-8	Benzo (a) pyrene	1	0.962	U	0.540	0.962	4.81
205-99-2	Benzo (b) fluoranthene	1	0.962	U	0.420	0.962	4.81
191-24-2	Benzo (g,h,i) perylene	1	0.962	U	0.510	0.962	4.81
207-08-9	Benzo (k) fluoranthene	1	0.962	U	0.462	0.962	4.81
218-01-9	Chrysene	1	0.962	U	0.512	0.962	4.81
53-70-3	Dibenzo (a,h) anthracene	1	0.962	U	0.433	0.962	4.81
206-44-0	Fluoranthene	1	0.962	U	0.613	0.962	4.81
86-73-7	Fluorene	1	0.962	U	0.588	0.962	4.81
193-39-5	Indeno (1,2,3-cd) pyrene	1	0.962	U	0.558	0.962	4.81
90-12-0	1-Methylnaphthalene	1	0.962	U	0.705	0.962	4.81
91-57-6	2-Methylnaphthalene	1	0.962	U	0.552	0.962	4.81
91-20-3	Naphthalene	1	0.962	U	0.659	0.962	4.81
85-01-8	Phenanthrene	1	0.962	U	0.563	0.962	4.81
129-00-0	Pyrene	1	0.962	U	0.587	0.962	4.81

FORM I - ORGANIC ANALYSIS DATA SHEET**SW846 8270D**

TF1-MW-1008-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112G08005-WE15 Received: 09/14/17 17:00
Matrix: Ground Water Laboratory ID: SC39221-04 File ID: C3922104.D
Sampled: 09/13/17 13:20 Prepared: 09/20/17 10:00 Analyzed: 09/22/17 04:20
% Solids: Preparation: SW846 3510C Initial/Final: 1060 ml / 1 ml
Batch: 1716100 Sequence: S708552 Calibration: 1709033 Instrument: HPS5
Reported to: LOD

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
83-32-9	Acenaphthene	1	0.943	U	0.652	0.943	4.72
208-96-8	Acenaphthylene	1	0.943	U	0.644	0.943	4.72
120-12-7	Anthracene	1	0.943	U	0.574	0.943	4.72
56-55-3	Benzo (a) anthracene	1	0.943	U	0.506	0.943	4.72
50-32-8	Benzo (a) pyrene	1	0.943	U	0.530	0.943	4.72
205-99-2	Benzo (b) fluoranthene	1	0.943	U	0.412	0.943	4.72
191-24-2	Benzo (g,h,i) perylene	1	0.943	U	0.500	0.943	4.72
207-08-9	Benzo (k) fluoranthene	1	0.943	U	0.453	0.943	4.72
218-01-9	Chrysene	1	0.943	U	0.502	0.943	4.72
53-70-3	Dibenzo (a,h) anthracene	1	0.943	U	0.425	0.943	4.72
206-44-0	Fluoranthene	1	0.943	U	0.602	0.943	4.72
86-73-7	Fluorene	1	0.943	U	0.577	0.943	4.72
193-39-5	Indeno (1,2,3-cd) pyrene	1	0.943	U	0.547	0.943	4.72
90-12-0	1-Methylnaphthalene	1	0.943	U	0.692	0.943	4.72
91-57-6	2-Methylnaphthalene	1	0.943	U	0.542	0.943	4.72
91-20-3	Naphthalene	1	0.943	U	0.646	0.943	4.72
85-01-8	Phenanthrene	1	0.943	U	0.553	0.943	4.72
129-00-0	Pyrene	1	0.943	U	0.575	0.943	4.72

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

TF1-DUP-04-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-05 File ID: C3922105.D
 Sampled: 09/13/17 14:30 Prepared: 09/20/17 10:00 Analyzed: 09/22/17 04:52
 % Solids: Preparation: SW846 3510C Initial/Final: 1080 ml / 1 ml
 Batch: 1716100 Sequence: S708552 Calibration: 1709033 Instrument: HPS5
 Reported to: LOD

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
83-32-9	Acenaphthene	1	0.926	U	0.640	0.926	4.63
208-96-8	Acenaphthylene	1	0.926	U	0.632	0.926	4.63
120-12-7	Anthracene	1	0.926	U	0.563	0.926	4.63
56-55-3	Benzo (a) anthracene	1	0.926	U	0.496	0.926	4.63
50-32-8	Benzo (a) pyrene	1	0.926	U	0.520	0.926	4.63
205-99-2	Benzo (b) fluoranthene	1	0.926	U	0.405	0.926	4.63
191-24-2	Benzo (g,h,i) perylene	1	0.926	U	0.491	0.926	4.63
207-08-9	Benzo (k) fluoranthene	1	0.926	U	0.444	0.926	4.63
218-01-9	Chrysene	1	0.926	U	0.493	0.926	4.63
53-70-3	Dibenzo (a,h) anthracene	1	0.926	U	0.417	0.926	4.63
206-44-0	Fluoranthene	1	0.926	U	0.591	0.926	4.63
86-73-7	Fluorene	1	0.926	U	0.567	0.926	4.63
193-39-5	Indeno (1,2,3-cd) pyrene	1	0.926	U	0.537	0.926	4.63
90-12-0	1-Methylnaphthalene	1	0.926	U	0.679	0.926	4.63
91-57-6	2-Methylnaphthalene	1	0.926	U	0.531	0.926	4.63
91-20-3	Naphthalene	1	0.926	U	0.634	0.926	4.63
85-01-8	Phenanthrene	1	0.926	U	0.543	0.926	4.63
129-00-0	Pyrene	1	0.926	U	0.565	0.926	4.63

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

TF1-MW-7-091317

Laboratory: <u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG: <u>SC39221</u>
Client: <u>Tetra Tech, Inc. - Salem, NH</u>	Project: <u>WE15 Tank Farm 1 NAVSTA Newport</u>
Project Number: <u>112G08005-WE15</u>	Received: <u>09/14/17 17:00</u>
Matrix: <u>Ground Water</u>	Laboratory ID: <u>SC39221-06</u>
Sampled: <u>09/13/17 11:20</u>	Prepared: <u>09/20/17 10:00</u>
% Solids:	Preparation: <u>SW846 3510C</u>
Batch: <u>1716100</u>	Sequence: <u>S708552</u>
	Calibration: <u>1709033</u>
	Instrument: <u>HPS5</u>
Reported to: <u>LOD</u>	

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
83-32-9	Acenaphthene	1	1.02	U	0.705	1.02	5.10
208-96-8	Acenaphthylene	1	1.02	U	0.697	1.02	5.10
120-12-7	Anthracene	1	1.02	U	0.620	1.02	5.10
56-55-3	Benzo (a) anthracene	1	1.02	U	0.547	1.02	5.10
50-32-8	Benzo (a) pyrene	1	1.02	U	0.573	1.02	5.10
205-99-2	Benzo (b) fluoranthene	1	1.02	U	0.446	1.02	5.10
191-24-2	Benzo (g,h,i) perylene	1	1.02	U	0.541	1.02	5.10
207-08-9	Benzo (k) fluoranthene	1	1.02	U	0.490	1.02	5.10
218-01-9	Chrysene	1	1.02	U	0.543	1.02	5.10
53-70-3	Dibenzo (a,h) anthracene	1	1.02	U	0.459	1.02	5.10
206-44-0	Fluoranthene	1	1.02	U	0.651	1.02	5.10
86-73-7	Fluorene	1	1.02	U	0.624	1.02	5.10
193-39-5	Indeno (1,2,3-cd) pyrene	1	1.02	U	0.592	1.02	5.10
90-12-0	1-Methylnaphthalene	1	1.02	U	0.748	1.02	5.10
91-57-6	2-Methylnaphthalene	1	1.02	U	0.586	1.02	5.10
91-20-3	Naphthalene	1	1.02	U	0.699	1.02	5.10
85-01-8	Phenanthrene	1	1.02	U	0.598	1.02	5.10
129-00-0	Pyrene	1	1.02	U	0.622	1.02	5.10

FORM I - ANALYSIS DATA SHEET
SW846 8081B

TF1-GZ-106-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112G08005-WE15 Received: 09/14/17 17:00
Matrix: Ground Water Laboratory ID: SC39221-01 File ID: 3922101Z.D
Sampled: 09/13/17 08:25 Prepared: 09/18/17 08:00 Analyzed: 09/28/17 01:41
% Solids: Preparation: SW846 3510C Initial/Final: 1040 ml / 10 ml
Batch: 1715920 Sequence: S708605 Calibration: 1709047 Instrument: HPS17
Injection Volume (uL): 2.00
Reported to: LOD

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
319-84-6	alpha-BHC	1	0.019	U	0.011	0.019	0.019
319-85-7	beta-BHC	1	0.019	U	0.014	0.019	0.019
319-86-8	delta-BHC	1	0.019	U	0.015	0.019	0.019
58-89-9	gamma-BHC (Lindane)	1	0.019	U	0.017	0.019	0.019
76-44-8	Heptachlor	1	0.019	U	0.019	0.019	0.019
309-00-2	Aldrin	1	0.019	U	0.015	0.019	0.019
1024-57-3	Heptachlor epoxide	1	0.019	U	0.015	0.019	0.019
959-98-8	Endosulfan I	1	0.019	U	0.016	0.019	0.019
60-57-1	Dieldrin	1	0.019	U	0.016	0.019	0.019
72-55-9	4,4'-DDE (p,p')	1	0.019	U	0.017	0.019	0.019
72-20-8	Endrin	1	0.019	U	0.018	0.019	0.038
33213-65-9	Endosulfan II	1	0.019	U	0.019	0.019	0.038
72-54-8	4,4'-DDD (p,p')	1	0.019	U	0.018	0.019	0.038
1031-07-8	Endosulfan sulfate	1	0.019	U	0.019	0.019	0.038
50-29-3	4,4'-DDT (p,p')	1	0.029	U	0.017	0.029	0.038
72-43-5	Methoxychlor	1	0.019	U	0.018	0.019	0.038
53494-70-5	Endrin ketone	1	0.019	U	0.017	0.019	0.038
7421-93-4	Endrin aldehyde	1	0.019	U	0.018	0.019	0.038
5103-71-9	alpha-Chlordane	1	0.019	U	0.015	0.019	0.019
5103-74-2	Chlordane (gamma)(trans)	1	0.019	U	0.015	0.019	0.019
8001-35-2	Toxaphene	1	0.481	U	0.315	0.481	0.481
57-74-9	Chlordane	1	0.063	U	0.049	0.063	0.063
15972-60-8	Alachlor	1	0.019	U	0.018	0.019	0.019

FORM I - ANALYSIS DATA SHEET
SW846 8081B

TF1-GT-117-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-02 File ID: 3922102Z.D
 Sampled: 09/13/17 09:50 Prepared: 09/18/17 08:00 Analyzed: 09/28/17 01:59
 % Solids: Preparation: SW846 3510C Initial/Final: 1000 ml / 10 ml
 Batch: 1715920 Sequence: S708605 Calibration: 1709047 Instrument: HPS17
 Injection Volume (uL): 2.00
 Reported to: LOD

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
319-84-6	alpha-BHC	1	0.020	U	0.012	0.020	0.020
319-85-7	beta-BHC	1	0.020	U	0.015	0.020	0.020
319-86-8	delta-BHC	1	0.020	U	0.015	0.020	0.020
58-89-9	gamma-BHC (Lindane)	1	0.020	U	0.017	0.020	0.020
76-44-8	Heptachlor	1	0.020	U	0.020	0.020	0.020
309-00-2	Aldrin	1	0.020	U	0.016	0.020	0.020
1024-57-3	Heptachlor epoxide	1	0.020	U	0.015	0.020	0.020
959-98-8	Endosulfan I	1	0.020	U	0.016	0.020	0.020
60-57-1	Dieldrin	1	0.020	U	0.017	0.020	0.020
72-55-9	4,4'-DDE (p,p')	1	0.020	U	0.018	0.020	0.020
72-20-8	Endrin	1	0.020	U	0.019	0.020	0.040
33213-65-9	Endosulfan II	1	0.020	U	0.020	0.020	0.040
72-54-8	4,4'-DDD (p,p')	1	0.020	U	0.019	0.020	0.040
1031-07-8	Endosulfan sulfate	1	0.020	U	0.020	0.020	0.040
50-29-3	4,4'-DDT (p,p')	1	0.030	U	0.018	0.030	0.040
72-43-5	Methoxychlor	1	0.020	U	0.018	0.020	0.040
53494-70-5	Endrin ketone	1	0.020	U	0.017	0.020	0.040
7421-93-4	Endrin aldehyde	1	0.020	U	0.019	0.020	0.040
5103-71-9	alpha-Chlordane	1	0.020	U	0.015	0.020	0.020
5103-74-2	Chlordane (gamma)(trans)	1	0.020	U	0.016	0.020	0.020
8001-35-2	Toxaphene	1	0.500	U	0.328	0.500	0.500
57-74-9	Chlordane	1	0.065	U	0.051	0.065	0.065
15972-60-8	Alachlor	1	0.020	U	0.019	0.020	0.020

FORM I - ANALYSIS DATA SHEET
SW846 8081B

TF1-GT-108-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-03 File ID: 3922103Z.D
 Sampled: 09/13/17 14:30 Prepared: 09/18/17 08:00 Analyzed: 09/28/17 02:18
 % Solids: Preparation: SW846 3510C Initial/Final: 1010 ml / 10 ml
 Batch: 1715920 Sequence: S708605 Calibration: 1709047 Instrument: HPS17
 Injection Volume (uL): 2.00
 Reported to: LOD

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
319-84-6	alpha-BHC	1	0.020	U	0.011	0.020	0.020
319-85-7	beta-BHC	1	0.020	U	0.014	0.020	0.020
319-86-8	delta-BHC	1	0.020	U	0.015	0.020	0.020
58-89-9	gamma-BHC (Lindane)	1	0.020	U	0.017	0.020	0.020
76-44-8	Heptachlor	1	0.020	U	0.019	0.020	0.020
309-00-2	Aldrin	1	0.020	U	0.016	0.020	0.020
1024-57-3	Heptachlor epoxide	1	0.020	U	0.015	0.020	0.020
959-98-8	Endosulfan I	1	0.020	U	0.016	0.020	0.020
60-57-1	Dieldrin	1	0.020	U	0.017	0.020	0.020
72-55-9	4,4'-DDE (p,p')	1	0.020	U	0.018	0.020	0.020
72-20-8	Endrin	1	0.020	U	0.019	0.020	0.040
33213-65-9	Endosulfan II	1	0.020	U	0.020	0.020	0.040
72-54-8	4,4'-DDD (p,p')	1	0.020	U	0.018	0.020	0.040
1031-07-8	Endosulfan sulfate	1	0.020	U	0.020	0.020	0.040
50-29-3	4,4'-DDT (p,p')	1	0.030	U	0.018	0.030	0.040
72-43-5	Methoxychlor	1	0.020	U	0.018	0.020	0.040
53494-70-5	Endrin ketone	1	0.020	U	0.017	0.020	0.040
7421-93-4	Endrin aldehyde	1	0.020	U	0.019	0.020	0.040
5103-71-9	alpha-Chlordane	1	0.020	U	0.015	0.020	0.020
5103-74-2	Chlordane (gamma)(trans)	1	0.020	U	0.016	0.020	0.020
8001-35-2	Toxaphene	1	0.495	U	0.325	0.495	0.495
57-74-9	Chlordane	1	0.064	U	0.051	0.064	0.064
15972-60-8	Alachlor	1	0.020	U	0.019	0.020	0.020

FORM I - ANALYSIS DATA SHEET
SW846 8081B

TF1-MW-1008-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-04 File ID: 3922104Z.D
 Sampled: 09/13/17 13:20 Prepared: 09/18/17 08:00 Analyzed: 09/28/17 04:09
 % Solids: Preparation: SW846 3510C Initial/Final: 1040 ml / 10 ml
 Batch: 1715920 Sequence: S708605 Calibration: 1709047 Instrument: HPS17
 Injection Volume (uL): 2.00
 Reported to: LOD

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
319-84-6	alpha-BHC	1	0.019	U	0.011	0.019	0.019
319-85-7	beta-BHC	1	0.019	U	0.014	0.019	0.019
319-86-8	delta-BHC	1	0.019	U	0.015	0.019	0.019
58-89-9	gamma-BHC (Lindane)	1	0.019	U	0.017	0.019	0.019
76-44-8	Heptachlor	1	0.019	U	0.019	0.019	0.019
309-00-2	Aldrin	1	0.019	U	0.015	0.019	0.019
1024-57-3	Heptachlor epoxide	1	0.019	U	0.015	0.019	0.019
959-98-8	Endosulfan I	1	0.019	U	0.016	0.019	0.019
60-57-1	Dieldrin	1	0.019	U	0.016	0.019	0.019
72-55-9	4,4'-DDE (p,p')	1	0.019	U	0.017	0.019	0.019
72-20-8	Endrin	1	0.019	U	0.018	0.019	0.038
33213-65-9	Endosulfan II	1	0.019	U	0.019	0.019	0.038
72-54-8	4,4'-DDD (p,p')	1	0.019	U	0.018	0.019	0.038
1031-07-8	Endosulfan sulfate	1	0.019	U	0.019	0.019	0.038
50-29-3	4,4'-DDT (p,p')	1	0.029	U	0.017	0.029	0.038
72-43-5	Methoxychlor	1	0.019	U	0.018	0.019	0.038
53494-70-5	Endrin ketone	1	0.019	U	0.017	0.019	0.038
7421-93-4	Endrin aldehyde	1	0.019	U	0.018	0.019	0.038
5103-71-9	alpha-Chlordane	1	0.019	U	0.015	0.019	0.019
5103-74-2	Chlordane (gamma)(trans)	1	0.019	U	0.015	0.019	0.019
8001-35-2	Toxaphene	1	0.481	U	0.315	0.481	0.481
57-74-9	Chlordane	1	0.063	U	0.049	0.063	0.063
15972-60-8	Alachlor	1	0.019	U	0.018	0.019	0.019

FORM I - ANALYSIS DATA SHEET
SW846 8081B

TF1-DUP-04-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-05 File ID: 3922105Z.D
 Sampled: 09/13/17 14:30 Prepared: 09/18/17 08:00 Analyzed: 09/28/17 04:28
 % Solids: Preparation: SW846 3510C Initial/Final: 1040 ml / 10 ml
 Batch: 1715920 Sequence: S708605 Calibration: 1709047 Instrument: HPS17
 Injection Volume (uL): 2.00
 Reported to: LOD

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
319-84-6	alpha-BHC	1	0.019	U	0.011	0.019	0.019
319-85-7	beta-BHC	1	0.019	U	0.014	0.019	0.019
319-86-8	delta-BHC	1	0.019	U	0.015	0.019	0.019
58-89-9	gamma-BHC (Lindane)	1	0.019	U	0.017	0.019	0.019
76-44-8	Heptachlor	1	0.019	U	0.019	0.019	0.019
309-00-2	Aldrin	1	0.019	U	0.015	0.019	0.019
1024-57-3	Heptachlor epoxide	1	0.019	U	0.015	0.019	0.019
959-98-8	Endosulfan I	1	0.019	U	0.016	0.019	0.019
60-57-1	Dieldrin	1	0.019	U	0.016	0.019	0.019
72-55-9	4,4'-DDE (p,p')	1	0.019	U	0.017	0.019	0.019
72-20-8	Endrin	1	0.019	U	0.018	0.019	0.038
33213-65-9	Endosulfan II	1	0.019	U	0.019	0.019	0.038
72-54-8	4,4'-DDD (p,p')	1	0.019	U	0.018	0.019	0.038
1031-07-8	Endosulfan sulfate	1	0.019	U	0.019	0.019	0.038
50-29-3	4,4'-DDT (p,p')	1	0.029	U	0.017	0.029	0.038
72-43-5	Methoxychlor	1	0.019	U	0.018	0.019	0.038
53494-70-5	Endrin ketone	1	0.019	U	0.017	0.019	0.038
7421-93-4	Endrin aldehyde	1	0.019	U	0.018	0.019	0.038
5103-71-9	alpha-Chlordane	1	0.019	U	0.015	0.019	0.019
5103-74-2	Chlordane (gamma)(trans)	1	0.019	U	0.015	0.019	0.019
8001-35-2	Toxaphene	1	0.481	U	0.315	0.481	0.481
57-74-9	Chlordane	1	0.063	U	0.049	0.063	0.063
15972-60-8	Alachlor	1	0.019	U	0.018	0.019	0.019

FORM I - ANALYSIS DATA SHEET
SW846 8081B

TF1-MW-7-091317

Laboratory: Euofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-06 File ID: 3922106Z.D
 Sampled: 09/13/17 11:20 Prepared: 09/18/17 08:00 Analyzed: 09/28/17 04:47
 % Solids: Preparation: SW846 3510C Initial/Final: 960 ml / 10 ml
 Batch: 1715920 Sequence: S708605 Calibration: 1709047 Instrument: HPS17
 Injection Volume (uL): 2.00
 Reported to: LOD

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
319-84-6	alpha-BHC	1	0.021	U	0.012	0.021	0.021
319-85-7	beta-BHC	1	0.021	U	0.015	0.021	0.021
319-86-8	delta-BHC	1	0.021	U	0.016	0.021	0.021
58-89-9	gamma-BHC (Lindane)	1	0.021	U	0.018	0.021	0.021
76-44-8	Heptachlor	1	0.021	U	0.020	0.021	0.021
309-00-2	Aldrin	1	0.021	U	0.016	0.021	0.021
1024-57-3	Heptachlor epoxide	1	0.021	U	0.016	0.021	0.021
959-98-8	Endosulfan I	1	0.021	U	0.017	0.021	0.021
60-57-1	Dieldrin	1	0.021	U	0.018	0.021	0.021
72-55-9	4,4'-DDE (p,p')	1	0.021	U	0.019	0.021	0.021
72-20-8	Endrin	1	0.021	U	0.020	0.021	0.042
33213-65-9	Endosulfan II	1	0.021	U	0.021	0.021	0.042
72-54-8	4,4'-DDD (p,p')	1	0.021	U	0.019	0.021	0.042
1031-07-8	Endosulfan sulfate	1	0.021	U	0.021	0.021	0.042
50-29-3	4,4'-DDT (p,p')	1	0.031	U	0.018	0.031	0.042
72-43-5	Methoxychlor	1	0.021	U	0.019	0.021	0.042
53494-70-5	Endrin ketone	1	0.021	U	0.018	0.021	0.042
7421-93-4	Endrin aldehyde	1	0.021	U	0.020	0.021	0.042
5103-71-9	alpha-Chlordane	1	0.021	U	0.016	0.021	0.021
5103-74-2	Chlordane (gamma)(trans)	1	0.021	U	0.017	0.021	0.021
8001-35-2	Toxaphene	1	0.521	U	0.342	0.521	0.521
57-74-9	Chlordane	1	0.068	U	0.053	0.068	0.068
15972-60-8	Alachlor	1	0.021	U	0.020	0.021	0.021

FORM I - ANALYSIS DATA SHEET
SW846 8082A

TF1-MW-1008-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-04 File ID: 3922104.D
 Sampled: 09/13/17 13:20 Prepared: 09/20/17 10:00 Analyzed: 09/25/17 18:40
 % Solids: Preparation: SW846 3510C Initial/Final: 1040 ml / 10 ml
 Batch: 1716099 Sequence: S708528 Calibration: 1706075 Instrument: HPS12
 Injection Volume (uL): 2.00
 Reported to: LOD

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
12674-11-2	Aroclor-1016	1	0.192	U	0.100	0.192	0.192
11104-28-2	Aroclor-1221	1	0.192	U	0.111	0.192	0.192
11141-16-5	Aroclor-1232	1	0.192	U	0.107	0.192	0.192
53469-21-9	Aroclor-1242	1	0.192	U	0.103	0.192	0.192
12672-29-6	Aroclor-1248	1	0.192	U	0.131	0.192	0.192
11097-69-1	Aroclor-1254	1	0.192	U	0.112	0.192	0.192
11096-82-5	Aroclor-1260	1	0.192	U	0.0818	0.192	0.192
37324-23-5	Aroclor-1262	1	0.192	U	0.0862	0.192	0.192
11100-14-4	Aroclor-1268	1	0.192	U	0.0880	0.192	0.192

FORM I - ANALYSIS DATA SHEET
SW846 8082A

TF1-MW-7-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-06 File ID: 3922106.D
 Sampled: 09/13/17 11:20 Prepared: 09/20/17 10:00 Analyzed: 09/25/17 18:50
 % Solids: Preparation: SW846 3510C Initial/Final: 960 ml / 10 ml
 Batch: 1716099 Sequence: S708528 Calibration: 1706075 Instrument: HPS12
 Injection Volume (uL): 2.00
 Reported to: LOD

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
12674-11-2	Aroclor-1016	1	0.208	U	0.108	0.208	0.208
11104-28-2	Aroclor-1221	1	0.208	U	0.120	0.208	0.208
11141-16-5	Aroclor-1232	1	0.208	U	0.116	0.208	0.208
53469-21-9	Aroclor-1242	1	0.208	U	0.112	0.208	0.208
12672-29-6	Aroclor-1248	1	0.208	U	0.142	0.208	0.208
11097-69-1	Aroclor-1254	1	0.208	U	0.121	0.208	0.208
11096-82-5	Aroclor-1260	1	0.208	U	0.0886	0.208	0.208
37324-23-5	Aroclor-1262	1	0.208	U	0.0933	0.208	0.208
11100-14-4	Aroclor-1268	1	0.208	U	0.0953	0.208	0.208

FORM I - ORGANIC ANALYSIS DATA SHEET

Mod EPA 3C/SOP RSK-175

TF1-GT-117-091317

Laboratory: <u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG: <u>SC39221</u>		
Client: <u>Tetra Tech, Inc. - Salem, NH</u>	Project: <u>WE15 Tank Farm 1 NAVSTA Newport</u>		
Project Number: <u>112G08005-WE15</u>	Received: <u>09/14/17 17:00</u>		
Matrix: <u>Ground Water</u>	Laboratory ID: <u>SC39221-02</u>	File ID: <u>091917-chanb-008-0</u>	
Sampled: <u>09/13/17 09:50</u>	Prepared: <u>09/19/17 06:00</u>	Analyzed: <u>09/19/17 13:10</u>	
% Solids:	Preparation: <u>General Air Prep</u>	Initial/Final: <u>10 µg / 10 µg</u>	
Batch: <u>1716073</u>	Sequence: <u>S708332</u>	Calibration: <u>1707028</u>	Instrument: <u>Air5</u>
Reported to: <u>LOD</u>			

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
74-82-8	Methane	1	89.0		2.16	2.20	2.20
74-84-0	Ethane	1	5.00	U	3.48	5.00	5.00

FORM I - ORGANIC ANALYSIS DATA SHEET

Mod EPA 3C/SOP RSK-175

TF1-GT-108-091317

Laboratory: <u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG: <u>SC39221</u>		
Client: <u>Tetra Tech, Inc. - Salem, NH</u>	Project: <u>WE15 Tank Farm 1 NAVSTA Newport</u>		
Project Number: <u>112G08005-WE15</u>	Received: <u>09/14/17 17:00</u>		
Matrix: <u>Ground Water</u>	Laboratory ID: <u>SC39221-03</u>	File ID: <u>091917-chanb-009-0</u>	
Sampled: <u>09/13/17 14:30</u>	Prepared: <u>09/19/17 06:00</u>	Analyzed: <u>09/19/17 13:52</u>	
% Solids:	Preparation: <u>General Air Prep</u>	Initial/Final: <u>10 µg / 10 µg</u>	
Batch: <u>1716073</u>	Sequence: <u>S708332</u>	Calibration: <u>1707028</u>	Instrument: <u>Air5</u>
Reported to: <u>LOD</u>			

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
74-82-8	Methane	1	117		2.16	2.20	2.20
74-84-0	Ethane	1	5.00	U	3.48	5.00	5.00

FORM I - ORGANIC ANALYSIS DATA SHEET

Mod EPA 3C/SOP RSK-175

TF1-MW-1008-091317

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC39221</u>
Client:	<u>Tetra Tech, Inc. - Salem, NH</u>	Project:	<u>WE15 Tank Farm 1 NAVSTA Newport</u>
Project Number:	<u>112G08005-WE15</u>	Received:	<u>09/14/17 17:00</u>
Matrix:	<u>Ground Water</u>	Laboratory ID:	<u>SC39221-04</u>
Sampled:	<u>09/13/17 13:20</u>	Prepared:	<u>09/19/17 06:00</u>
% Solids:		Preparation:	<u>General Air Prep</u>
Batch:	<u>1716073</u>	Sequence:	<u>S708332</u>
		Calibration:	<u>1707028</u>
		Instrument:	<u>Air5</u>
Reported to:	<u>LOD</u>		

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
74-82-8	Methane	1	2.20	U	2.16	2.20	2.20
74-84-0	Ethane	1	5.00	U	3.48	5.00	5.00

FORM I - ORGANIC ANALYSIS DATA SHEET

Mod EPA 3C/SOP RSK-175

TF1-DUP-04-091317

Laboratory: <u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG: <u>SC39221</u>		
Client: <u>Tetra Tech, Inc. - Salem, NH</u>	Project: <u>WE15 Tank Farm 1 NAVSTA Newport</u>		
Project Number: <u>112G08005-WE15</u>	Received: <u>09/14/17 17:00</u>		
Matrix: <u>Ground Water</u>	Laboratory ID: <u>SC39221-05</u>	File ID: <u>091917-chanb-011-0</u>	
Sampled: <u>09/13/17 14:30</u>	Prepared: <u>09/19/17 06:00</u>	Analyzed: <u>09/19/17 14:47</u>	
% Solids:	Preparation: <u>General Air Prep</u>	Initial/Final: <u>10 µg / 10 µg</u>	
Batch: <u>1716073</u>	Sequence: <u>S708332</u>	Calibration: <u>1707028</u>	Instrument: <u>Air5</u>
Reported to: <u>LOD</u>			

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
74-82-8	Methane	1	2.20	U	2.16	2.20	2.20
74-84-0	Ethane	1	5.00	U	3.48	5.00	5.00

FORM I - ORGANIC ANALYSIS DATA SHEET

Mod EPA 3C/SOP RSK-175

TF1-MW-7-091317

Laboratory: <u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG: <u>SC39221</u>		
Client: <u>Tetra Tech, Inc. - Salem, NH</u>	Project: <u>WE15 Tank Farm 1 NAVSTA Newport</u>		
Project Number: <u>112G08005-WE15</u>	Received: <u>09/14/17 17:00</u>		
Matrix: <u>Ground Water</u>	Laboratory ID: <u>SC39221-06</u>	File ID: <u>091917-chanb-012-0</u>	
Sampled: <u>09/13/17 11:20</u>	Prepared: <u>09/19/17 06:00</u>	Analyzed: <u>09/19/17 15:13</u>	
% Solids:	Preparation: <u>General Air Prep</u>	Initial/Final: <u>10 µg / 10 µg</u>	
Batch: <u>1716073</u>	Sequence: <u>S708332</u>	Calibration: <u>1707028</u>	Instrument: <u>Air5</u>
Reported to: <u>LOD</u>			

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
74-82-8	Methane	1	2.20	U	2.16	2.20	2.20
74-84-0	Ethane	1	5.00	U	3.48	5.00	5.00

FORM I - ORGANIC ANALYSIS DATA SHEET

Mod EPA 3C/SOP RSK-175

TF1-GT-125-091317

Laboratory: <u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG: <u>SC39221</u>		
Client: <u>Tetra Tech, Inc. - Salem, NH</u>	Project: <u>WE15 Tank Farm 1 NAVSTA Newport</u>		
Project Number: <u>112G08005-WE15</u>	Received: <u>09/14/17 17:00</u>		
Matrix: <u>Ground Water</u>	Laboratory ID: <u>SC39221-09</u>	File ID: <u>091917-chanb-014-0</u>	
Sampled: <u>09/13/17 10:45</u>	Prepared: <u>09/19/17 06:00</u>	Analyzed: <u>09/19/17 16:04</u>	
% Solids:	Preparation: <u>General Air Prep</u>	Initial/Final: <u>10 µg / 10 µg</u>	
Batch: <u>1716073</u>	Sequence: <u>S708332</u>	Calibration: <u>1707028</u>	Instrument: <u>Air5</u>
Reported to: <u>LOD</u>			

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
74-82-8	Methane	1	93.0		2.16	2.20	2.20
74-84-0	Ethane	1	22.0		3.48	5.00	5.00

Sample Description: SC39221-02 Grab Water

ELLE Sample # WW 9215177

Project Name: WE15 Tank Farm 1 NAVSTA Newport

ELLE Group # 1851890

Account # 30891

Collected: 09/13/2017 09:50

TF1-GT-117-091317

Eurofins Spectrum Analytical

11 Almgren Drive

Agawan MA 01001

Submitted: 09/19/2017 09:45

Reported: 09/29/2017 20:28

O4201 SDG#: THO42-01

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
GC Petroleum Hydrocarbons		SW-846 8015B	mg/l	mg/l	mg/l	mg/l	
02740	C8-C44	n.a.	0.31	0.051	0.10	0.20	1
02740	Total TPH	n.a.	0.31	0.051	0.10	0.20	1
Misc. Organics		EPA 537 Version 1.1 Modified	ng/l	ng/l	ng/l	ng/l	
10954	Perfluorobutanesulfonate	375-73-5	2 J	0.8	3	3	1
10954	Perfluorobutanoic Acid	375-22-4	10 U	3	10	10	1
10954	Perfluorodecanesulfonate	335-77-3	6 U	2	6	6	1
10954	Perfluorodecanoic acid	335-76-2	2 U	0.5	2	2	1
10954	Perfluorododecanoic acid	307-55-1	2 U	0.5	2	2	1
10954	Perfluoroheptanesulfonate	375-92-8	6 U	2	6	6	1
10954	Perfluoroheptanoic acid	375-85-9	0.7 J	0.5	2	2	1
10954	Perfluorohexanesulfonate	355-46-4	4	1	3	3	1
10954	Perfluorohexanoic acid	307-24-4	1 J	0.6	2	2	1
10954	Perfluorononanoic acid	375-95-1	2 J	0.6	2	2	1
10954	Perfluoro-octanesulfonate	1763-23-1	3 J	2	6	6	1
10954	Perfluorooctanoic acid	335-67-1	3	0.6	2	2	1
10954	Perfluoropentanoic Acid	2706-90-3	1 J	0.5	2	2	1
10954	Perfluorotetradecanoic acid	376-06-7	2 U	0.5	2	2	1
10954	Perfluorotridecanoic acid	72629-94-8	2 U	0.5	2	2	1
10954	Perfluoroundecanoic acid	2058-94-8	3 U	1	3	3	1
10954	PFOSA	754-91-6	9 U	3	9	9	1

The stated QC limits are advisory only until sufficient data points can be obtained to calculate statistical limits.

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
02740	Custom TPH with Ranges (Water)	SW-846 8015B	1	172630008A	09/21/2017 19:55	Timothy M Emrick	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	172630008A	09/20/2017 22:55	Karen L Beyer	1
10954	PFAS in Water by LC/MS/MS	EPA 537 Version 1.1 Modified	1	17263005	09/23/2017 07:30	Devon M Whooley	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	17263005	09/20/2017 15:00	Danielle D McCully	1

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

Sample Description: SC39221-03 Grab Water

ELLE Sample # WW 9215178

Project Name: WE15 Tank Farm 1 NAVSTA Newport

ELLE Group # 1851890

Account # 30891

Collected: 09/13/2017 14:30

TF1-GT-108-091317

Eurofins Spectrum Analytical

Submitted: 09/19/2017 09:45

11 Almgren Drive

Reported: 09/29/2017 20:28

Agawan MA 01001

O4202 SDG#: THO42-02

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
GC Petroleum Hydrocarbons		SW-846 8015B	mg/l	mg/l	mg/l	mg/l	
02740	C8-C44	n.a.	0.10 U	0.051	0.10	0.21	1
02740	Total TPH	n.a.	0.10 U	0.051	0.10	0.21	1
Misc. Organics		EPA 537 Version 1.1 Modified	ng/l	ng/l	ng/l	ng/l	
10954	Perfluorobutanesulfonate	375-73-5	3	0.8	3	3	1
10954	Perfluorobutanoic Acid	375-22-4	3 J	3	10	10	1
10954	Perfluorodecanesulfonate	335-77-3	6 U	2	6	6	1
10954	Perfluorodecanoic acid	335-76-2	2 U	0.5	2	2	1
10954	Perfluorododecanoic acid	307-55-1	2 U	0.5	2	2	1
10954	Perfluoroheptanesulfonate	375-92-8	6 U	2	6	6	1
10954	Perfluoroheptanoic acid	375-85-9	2 J	0.5	2	2	1
10954	Perfluorohexanesulfonate	355-46-4	5	1	3	3	1
10954	Perfluorohexanoic acid	307-24-4	4	0.6	2	2	1
10954	Perfluorononanoic acid	375-95-1	5	0.6	2	2	1
10954	Perfluoro-octanesulfonate	1763-23-1	5 J	2	6	6	1
10954	Perfluorooctanoic acid	335-67-1	6	0.6	2	2	1
10954	Perfluoropentanoic Acid	2706-90-3	4	0.5	2	2	1
10954	Perfluorotetradecanoic acid	376-06-7	2 U	0.5	2	2	1
10954	Perfluorotridecanoic acid	72629-94-8	2 U	0.5	2	2	1
10954	Perfluoroundecanoic acid	2058-94-8	3 U	1	3	3	1
10954	PFOSA	754-91-6	9 U	3	9	9	1

The stated QC limits are advisory only until sufficient data points can be obtained to calculate statistical limits.

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
02740	Custom TPH with Ranges (Water)	SW-846 8015B	1	172630008A	09/21/2017 20:17	Timothy M Emrick	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	172630008A	09/20/2017 22:55	Karen L Beyer	1
10954	PFAS in Water by LC/MS/MS	EPA 537 Version 1.1 Modified	1	17263005	09/23/2017 07:50	Devon M Whooley	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	17263005	09/20/2017 15:00	Danielle D McCully	1

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

Sample Description: SC39221-04 Grab Water

ELLE Sample # WW 9215179

Project Name: WE15 Tank Farm 1 NAVSTA Newport

ELLE Group # 1851890

Account # 30891

Collected: 09/13/2017 13:20

TF1-MW-1008-091317

Eurofins Spectrum Analytical

Submitted: 09/19/2017 09:45

11 Almgren Drive

Reported: 09/29/2017 20:28

Agawan MA 01001

O4203 SDG#: THO42-03

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
GC Petroleum Hydrocarbons		SW-846 8015B	mg/l	mg/l	mg/l	mg/l	
02740	C8-C44	n.a.	0.10 U	0.050	0.10	0.20	1
02740	Total TPH	n.a.	0.10 U	0.050	0.10	0.20	1
Misc. Organics		EPA 537 Version 1.1 Modified	ng/l	ng/l	ng/l	ng/l	
10954	Perfluorobutanesulfonate	375-73-5	21	0.8	3	3	1
10954	Perfluorobutanoic Acid	375-22-4	34	3	10	10	1
10954	Perfluorodecanesulfonate	335-77-3	6 U	2	6	6	1
10954	Perfluorodecanoic acid	335-76-2	2 U	0.5	2	2	1
10954	Perfluorododecanoic acid	307-55-1	2 U	0.5	2	2	1
10954	Perfluoroheptanesulfonate	375-92-8	6 U	2	6	6	1
10954	Perfluoroheptanoic acid	375-85-9	16	0.5	2	2	1
10954	Perfluorohexanesulfonate	355-46-4	38	1	3	3	1
10954	Perfluorohexanoic acid	307-24-4	130	0.6	2	2	1
10954	Perfluorononanoic acid	375-95-1	2 U	0.6	2	2	1
10954	Perfluoro-octanesulfonate	1763-23-1	6 J	2	6	6	1
10954	Perfluorooctanoic acid	335-67-1	67	0.6	2	2	1
10954	Perfluoropentanoic Acid	2706-90-3	89	0.5	2	2	1
10954	Perfluorotetradecanoic acid	376-06-7	2 U	0.5	2	2	1
10954	Perfluorotridecanoic acid	72629-94-8	2 U	0.5	2	2	1
10954	Perfluoroundecanoic acid	2058-94-8	3 U	1	3	3	1
10954	PFOSA	754-91-6	9 U	3	9	9	1

The stated QC limits are advisory only until sufficient data points can be obtained to calculate statistical limits.

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
02740	Custom TPH with Ranges (Water)	SW-846 8015B	1	172630008A	09/21/2017 20:38	Timothy M Emrick	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	172630008A	09/20/2017 22:55	Karen L Beyer	1
10954	PFAS in Water by LC/MS/MS	EPA 537 Version 1.1 Modified	1	17263005	09/23/2017 08:11	Devon M Whooley	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	17263005	09/20/2017 15:00	Danielle D McCully	1

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

Sample Description: SC39221-05 Grab Water

ELLE Sample # WW 9215180

Project Name: WE15 Tank Farm 1 NAVSTA Newport

ELLE Group # 1851890

Account # 30891

Collected: 09/13/2017 14:30

TF1-DUP-04-091317

Eurofins Spectrum Analytical

Submitted: 09/19/2017 09:45

11 Almgren Drive

Reported: 09/29/2017 20:28

Agawan MA 01001

O4204 SDG#: THO42-04

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
GC Petroleum Hydrocarbons		SW-846 8015B	mg/l	mg/l	mg/l	mg/l	
02740	C8-C44	n.a.	0.10 U	0.051	0.10	0.20	1
02740	Total TPH	n.a.	0.10 U	0.051	0.10	0.20	1
Misc. Organics		EPA 537 Version 1.1 Modified	ng/l	ng/l	ng/l	ng/l	
10954	Perfluorobutanesulfonate	375-73-5	21	0.8	3	3	1
10954	Perfluorobutanoic Acid	375-22-4	34	3	10	10	1
10954	Perfluorodecanesulfonate	335-77-3	6 U	2	6	6	1
10954	Perfluorodecanoic acid	335-76-2	2 U	0.5	2	2	1
10954	Perfluorododecanoic acid	307-55-1	2 U	0.5	2	2	1
10954	Perfluoroheptanesulfonate	375-92-8	6 U	2	6	6	1
10954	Perfluoroheptanoic acid	375-85-9	16	0.5	2	2	1
10954	Perfluorohexanesulfonate	355-46-4	43	1	3	3	1
10954	Perfluorohexanoic acid	307-24-4	120	0.6	2	2	1
10954	Perfluorononanoic acid	375-95-1	2 U	0.6	2	2	1
10954	Perfluoro-octanesulfonate	1763-23-1	5 J	2	6	6	1
10954	Perfluorooctanoic acid	335-67-1	59	0.6	2	2	1
10954	Perfluoropentanoic Acid	2706-90-3	90	0.5	2	2	1
10954	Perfluorotetradecanoic acid	376-06-7	2 U	0.5	2	2	1
10954	Perfluorotridecanoic acid	72629-94-8	2 U	0.5	2	2	1
10954	Perfluoroundecanoic acid	2058-94-8	3 U	1	3	3	1
10954	PFOSA	754-91-6	9 U	3	9	9	1

The stated QC limits are advisory only until sufficient data points can be obtained to calculate statistical limits.

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
02740	Custom TPH with Ranges (Water)	SW-846 8015B	1	172630008A	09/21/2017 21:00	Timothy M Emrick	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	172630008A	09/20/2017 22:55	Karen L Beyer	1
10954	PFAS in Water by LC/MS/MS	EPA 537 Version 1.1 Modified	1	17263005	09/23/2017 08:31	Devon M Whooley	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	17263005	09/20/2017 15:00	Danielle D McCully	1

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

Sample Description: SC39221-06 Grab Water

ELLE Sample # WW 9215181

Project Name: WE15 Tank Farm 1 NAVSTA Newport

ELLE Group # 1851890

Account # 30891

TF1-MW-7-091317

Collected: 09/13/2017 11:20

Eurofins Spectrum Analytical

Submitted: 09/19/2017 09:45

11 Almgren Drive

Reported: 09/29/2017 20:28

Agawan MA 01001

O4205 SDG#: THO42-05BKG

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
GC Petroleum Hydrocarbons		SW-846 8015B	mg/l	mg/l	mg/l	mg/l	
02740	C8-C44	n.a.	0.11 U	0.057	0.11	0.23	1
02740	Total TPH	n.a.	0.11 U	0.057	0.11	0.23	1
Misc. Organics		EPA 537 Version 1.1 Modified	ng/l	ng/l	ng/l	ng/l	
10954	Perfluorobutanesulfonate	375-73-5	12	0.8	3	3	1
10954	Perfluorobutanoic Acid	375-22-4	8 J	3	10	10	1
10954	Perfluorodecanesulfonate	335-77-3	6 U	2	6	6	1
10954	Perfluorodecanoic acid	335-76-2	2 U	0.5	2	2	1
10954	Perfluorododecanoic acid	307-55-1	2 U	0.5	2	2	1
10954	Perfluoroheptanesulfonate	375-92-8	6 U	2	6	6	1
10954	Perfluoroheptanoic acid	375-85-9	4	0.5	2	2	1
10954	Perfluorohexanesulfonate	355-46-4	52	1	3	3	1
10954	Perfluorohexanoic acid	307-24-4	19	0.6	2	2	1
10954	Perfluorononanoic acid	375-95-1	2 U	0.6	2	2	1
10954	Perfluoro-octanesulfonate	1763-23-1	16	2	6	6	1
10954	Perfluorooctanoic acid	335-67-1	7	0.6	2	2	1
10954	Perfluoropentanoic Acid	2706-90-3	10	0.5	2	2	1
10954	Perfluorotetradecanoic acid	376-06-7	2 U	0.5	2	2	1
10954	Perfluorotridecanoic acid	72629-94-8	2 U	0.5	2	2	1
10954	Perfluoroundecanoic acid	2058-94-8	3 U	1	3	3	1
10954	PFOSA	754-91-6	9 U	3	9	9	1

The stated QC limits are advisory only until sufficient data points can be obtained to calculate statistical limits.

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
02740	Custom TPH with Ranges (Water)	SW-846 8015B	1	172630008A	09/21/2017 21:21	Timothy M Emrick	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	172630008A	09/20/2017 22:55	Karen L Beyer	1
10954	PFAS in Water by LC/MS/MS	EPA 537 Version 1.1 Modified	1	17263005	09/23/2017 08:52	Devon M Whooley	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	17263005	09/20/2017 15:00	Danielle D McCully	1

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

Sample Description: SC39221-07 Grab Water

ELLE Sample # WW 9215184

Project Name: WE15 Tank Farm 1 NAVSTA Newport

ELLE Group # 1851890

Account # 30891

Collected: 09/13/2017 11:00

TF1-FRB-091317

Eurofins Spectrum Analytical

Submitted: 09/19/2017 09:45

11 Almgren Drive

Reported: 09/29/2017 20:28

Agawan MA 01001

O4206 SDG#: THO42-06

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
Misc. Organics		EPA 537 Version	ng/l	ng/l	ng/l	ng/l	
		1.1 Modified					
10954	Perfluorobutanesulfonate	375-73-5	3 U	0.8	3	3	1
10954	Perfluorobutanoic Acid	375-22-4	10 U	3	10	10	1
10954	Perfluorodecanesulfonate	335-77-3	6 U	2	6	6	1
10954	Perfluorodecanoic acid	335-76-2	2 U	0.5	2	2	1
10954	Perfluorododecanoic acid	307-55-1	2 U	0.5	2	2	1
10954	Perfluoroheptanesulfonate	375-92-8	6 U	2	6	6	1
10954	Perfluoroheptanoic acid	375-85-9	2 U	0.5	2	2	1
10954	Perfluorohexanesulfonate	355-46-4	3 U	1	3	3	1
10954	Perfluorohexanoic acid	307-24-4	2 U	0.6	2	2	1
10954	Perfluorononanoic acid	375-95-1	2 U	0.6	2	2	1
10954	Perfluoro-octanesulfonate	1763-23-1	6 U	2	6	6	1
10954	Perfluorooctanoic acid	335-67-1	2 U	0.6	2	2	1
10954	Perfluoropentanoic Acid	2706-90-3	2 U	0.5	2	2	1
10954	Perfluorotetradecanoic acid	376-06-7	2 U	0.5	2	2	1
10954	Perfluorotridecanoic acid	72629-94-8	2 U	0.5	2	2	1
10954	Perfluoroundecanoic acid	2058-94-8	3 U	1	3	3	1
10954	PFOSA	754-91-6	9 U	3	9	9	1

The stated QC limits are advisory only until sufficient data points can be obtained to calculate statistical limits.

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
10954	PFAS in Water by LC/MS/MS	EPA 537 Version 1.1 Modified	1	17263005	09/23/2017 09:12	Devon M Whooley	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	17263005	09/20/2017 15:00	Danielle D McCully	1

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

Sample Description: SC39221-09 Grab Water

ELLE Sample # WW 9215185

Project Name: WE15 Tank Farm 1 NAVSTA Newport

ELLE Group # 1851890

Account # 30891

TF1-GT-125-091317

Collected: 09/13/2017 10:45

Eurofins Spectrum Analytical

Submitted: 09/19/2017 09:45

11 Almgren Drive

Reported: 09/29/2017 20:28

Agawan MA 01001

O4207 SDG#: THO42-07

CAT No.	Analysis Name	CAS Number	Result	Detection Limit*	Limit of Detection	Limit of Quantitation	DF
GC Petroleum Hydrocarbons		SW-846 8015B	mg/l	mg/l	mg/l	mg/l	
02740	C8-C44	n.a.	0.14 J	0.051	0.10	0.20	1
02740	Total TPH	n.a.	0.14 J	0.051	0.10	0.20	1
Misc. Organics		EPA 537 Version 1.1 Modified	ng/l	ng/l	ng/l	ng/l	
10954	Perfluorobutanesulfonate	375-73-5	2 J	0.8	3	3	1
10954	Perfluorobutanoic Acid	375-22-4	6 J	3	10	10	1
10954	Perfluorodecanesulfonate	335-77-3	6 U	2	6	6	1
10954	Perfluorodecanoic acid	335-76-2	2 U	0.5	2	2	1
10954	Perfluorododecanoic acid	307-55-1	2 U	0.5	2	2	1
10954	Perfluoroheptanesulfonate	375-92-8	6 U	2	6	6	1
10954	Perfluoroheptanoic acid	375-85-9	3 U	0.5	2	2	1
10954	Perfluorohexanesulfonate	355-46-4	7 U	1	3	3	1
10954	Perfluorohexanoic acid	307-24-4	6 U	0.6	2	2	1
10954	Perfluorononanoic acid	375-95-1	2 U	0.6	2	2	1
10954	Perfluoro-octanesulfonate	1763-23-1	6 U	2	6	6	1
10954	Perfluorooctanoic acid	335-67-1	5 U	0.6	2	2	1
10954	Perfluoropentanoic Acid	2706-90-3	6 U	0.5	2	2	1
10954	Perfluorotetradecanoic acid	376-06-7	2 U	0.5	2	2	1
10954	Perfluorotridecanoic acid	72629-94-8	2 U	0.5	2	2	1
10954	Perfluoroundecanoic acid	2058-94-8	3 U	1	3	3	1
10954	PFOSA	754-91-6	9 U	3	9	9	1

The stated QC limits are advisory only until sufficient data points can be obtained to calculate statistical limits.

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
02740	Custom TPH with Ranges (Water)	SW-846 8015B	1	172630008A	09/21/2017 22:26	Timothy M Emrick	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	172630008A	09/20/2017 22:55	Karen L Beyer	1
10954	PFAS in Water by LC/MS/MS	EPA 537 Version 1.1 Modified	1	17263005	09/23/2017 10:14	Devon M Whooley	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	17263005	09/20/2017 15:00	Danielle D McCully	1

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

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

TF1-GT-108-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-03 File ID: 20170929-085
 Sampled: 09/13/17 14:30 Prepared: 09/25/17 17:30
 % Solids: Preparation: SW846 3005A Initial/Final: 50 ml / 50 ml
 Batch: 1716540 Sequence: S710438 Calibration: 1711058
 Instrument: ICAP5
 Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
7439-89-6	Iron	3.64		1	0.0089	0.0300	0.0800
7440-09-7	Potassium	3.04		1	0.120	0.250	1.00
7440-23-5	Sodium	37.0		1	0.0785	0.250	0.500
7429-90-5	Aluminum	0.0420	J	1	0.0206	0.0500	0.0500
7440-70-2	Calcium	18.2		1	0.0142	0.0500	0.200
7439-95-4	Magnesium	4.33		1	0.0088	0.0100	0.0200

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

TF1-MW-1008-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-04 File ID: 20170929-086
 Sampled: 09/13/17 13:20 Prepared: 09/25/17 17:30
 % Solids: Preparation: SW846 3005A Initial/Final: 50 ml / 50 ml
 Batch: 1716540 Sequence: S710438 Calibration: 1711058
 Instrument: ICAP5
 Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
7439-89-6	Iron	24.3		1	0.0089	0.0300	0.0800
7440-09-7	Potassium	0.623	J	1	0.120	0.250	1.00
7440-23-5	Sodium	30.4		1	0.0785	0.250	0.500
7429-90-5	Aluminum	0.0500	U	1	0.0206	0.0500	0.0500
7440-70-2	Calcium	10.7		1	0.0142	0.0500	0.200
7439-95-4	Magnesium	9.22		1	0.0088	0.0100	0.0200

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

TF1-DUP-04-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-05 File ID: 20170929-087
 Sampled: 09/13/17 14:30 Prepared: 09/25/17 17:30
 % Solids: Preparation: SW846 3005A Initial/Final: 50 ml / 50 ml
 Batch: 1716540 Sequence: S710438 Calibration: 1711058
 Instrument: ICAP5
 Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
7439-89-6	Iron	25.1		1	0.0089	0.0300	0.0800
7440-09-7	Potassium	0.640	J	1	0.120	0.250	1.00
7440-23-5	Sodium	31.4		1	0.0785	0.250	0.500
7429-90-5	Aluminum	0.0500	U	1	0.0206	0.0500	0.0500
7440-70-2	Calcium	11.3		1	0.0142	0.0500	0.200
7439-95-4	Magnesium	9.50		1	0.0088	0.0100	0.0200

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

TF1-MW-7-091317

Laboratory: <u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG: <u>SC39221</u>	
Client: <u>Tetra Tech, Inc. - Salem, NH</u>	Project: <u>WE15 Tank Farm 1 NAVSTA Newport</u>	
Project Number: <u>112G08005-WE15</u>	Received: <u>09/14/17 17:00</u>	
Matrix: <u>Ground Water</u>	Laboratory ID: <u>SC39221-06</u>	File ID: <u>20170929-089</u>
Sampled: <u>09/13/17 11:20</u>	Prepared: <u>09/25/17 17:30</u>	
% Solids:	Preparation: <u>SW846 3005A</u>	Initial/Final: <u>50 ml / 50 ml</u>
Batch: <u>1716540</u>	Sequence: <u>S710438</u>	Calibration: <u>1711058</u>
Instrument: <u>ICAP5</u>		
Reported to: <u>LOD</u>		

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
7439-89-6	Iron	21.9		1	0.0089	0.0300	0.0800
7440-09-7	Potassium	0.572	J	1	0.120	0.250	1.00
7440-23-5	Sodium	9.30		1	0.0785	0.250	0.500
7429-90-5	Aluminum	0.0500	U	1	0.0206	0.0500	0.0500
7440-70-2	Calcium	12.1		1	0.0142	0.0500	0.200
7439-95-4	Magnesium	6.63		1	0.0088	0.0100	0.0200

FORM I - INORGANIC ANALYSIS DATA SHEET

SW846 6010C

TF1-GT-125-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-09 File ID: 20170929-096
 Sampled: 09/13/17 10:45 Prepared: 09/25/17 17:30
 % Solids: Preparation: SW846 3005A Initial/Final: 50 ml / 50 ml
 Batch: 1716540 Sequence: S710438 Calibration: 1711058
 Instrument: ICAP5
 Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
7439-89-6	Iron	2.87		1	0.0089	0.0300	0.0800
7440-09-7	Potassium	1.72		1	0.120	0.250	1.00
7440-23-5	Sodium	5.55		1	0.0785	0.250	0.500
7429-90-5	Aluminum	0.0500	U	1	0.0206	0.0500	0.0500
7440-70-2	Calcium	32.8		1	0.0142	0.0500	0.200
7439-95-4	Magnesium	17.1		1	0.0088	0.0100	0.0200

Sample Description: SC39221-02 Groundwater

ELLE Sample # WW 9240341

Project Name: SC39221

ELLE Group # 1857424

Account # 30891

Collected: 09/13/2017 09:50

TF1-GT-117-091317

Eurofins Spectrum Analytical

Submitted: 09/30/2017 09:55

11 Almgren Drive

Reported: 10/12/2017 14:22

Agawan MA 01001

22102 SDG#: SAI21-01

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	
06024	Antimony	7440-36-0	0.0010 U	0.00045	0.0010	0.0020	1
06025	Arsenic	7440-38-2	0.0453	0.00072	0.0020	0.0040	1
06026	Barium	7440-39-3	0.0081	0.00072	0.0020	0.0040	1
06027	Beryllium	7440-41-7	0.00025 U	0.000071	0.00025	0.0010	1
06028	Cadmium	7440-43-9	0.00050 U	0.00015	0.00050	0.0010	1
06031	Chromium	7440-47-3	0.00094 J	0.00087	0.0020	0.0040	1
06032	Cobalt	7440-48-4	0.0358	0.00016	0.00050	0.0010	1
06033	Copper	7440-50-8	0.0044	0.00054	0.0010	0.0040	1
06035	Lead	7439-92-1	0.0012 J	0.00011	0.00025	0.0020	1
06037	Manganese	7439-96-5	1.48	0.00090	0.0020	0.0040	1
06038	Molybdenum	7439-98-7	0.0030	0.00025	0.00050	0.0010	1
06039	Nickel	7440-02-0	0.0105	0.0010	0.0020	0.0040	1
06041	Selenium	7782-49-2	0.0010 U	0.00050	0.0010	0.0040	1
06042	Silver	7440-22-4	0.00025 U	0.00015	0.00025	0.0010	1
06045	Thallium	7440-28-0	0.00025 U	0.00012	0.00025	0.0010	1
06048	Vanadium	7440-62-2	0.00025 J	0.00021	0.00050	0.0010	1
06049	Zinc	7440-66-6	0.0062 J	0.0039	0.0075	0.0300	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
06024	Antimony	SW-846 6020A	1	172771063902A	10/11/2017 21:10	Bradley M Berlot	1
06025	Arsenic	SW-846 6020A	1	172771063902A	10/11/2017 21:10	Bradley M Berlot	1
06026	Barium	SW-846 6020A	1	172771063902D	10/12/2017 04:52	Sarah L Burt	1
06027	Beryllium	SW-846 6020A	1	172771063902A	10/11/2017 21:10	Bradley M Berlot	1
06028	Cadmium	SW-846 6020A	1	172771063902A	10/11/2017 21:10	Bradley M Berlot	1
06031	Chromium	SW-846 6020A	1	172771063902A	10/11/2017 21:10	Bradley M Berlot	1
06032	Cobalt	SW-846 6020A	1	172771063902A	10/11/2017 21:10	Bradley M Berlot	1
06033	Copper	SW-846 6020A	1	172771063902A	10/11/2017 21:10	Bradley M Berlot	1
06035	Lead	SW-846 6020A	1	172771063902A	10/11/2017 21:10	Bradley M Berlot	1
06037	Manganese	SW-846 6020A	1	172771063902A	10/11/2017 21:10	Bradley M Berlot	1
06038	Molybdenum	SW-846 6020A	1	172771063902C	10/12/2017 04:52	Sarah L Burt	1
06039	Nickel	SW-846 6020A	1	172771063902A	10/11/2017 21:10	Bradley M Berlot	1
06041	Selenium	SW-846 6020A	1	172771063902B	10/11/2017 21:10	Bradley M Berlot	1
06042	Silver	SW-846 6020A	1	172771063902A	10/11/2017 21:10	Bradley M Berlot	1
06045	Thallium	SW-846 6020A	1	172771063902A	10/11/2017 21:10	Bradley M Berlot	1
06048	Vanadium	SW-846 6020A	1	172771063902A	10/11/2017 21:10	Bradley M Berlot	1
06049	Zinc	SW-846 6020A	1	172771063902A	10/11/2017 21:10	Bradley M Berlot	1
10639	ICPMS - Water, 3020A - U4	SW-846 3020A	1	172771063902	10/08/2017 21:45	Annamaria Kuhns	1

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

Sample Description: SC39221-03 Groundwater

ELLE Sample # WW 9240342

Project Name: SC39221

ELLE Group # 1857424

Account # 30891

Collected: 09/13/2017 14:30

Eurofins Spectrum Analytical

Submitted: 09/30/2017 09:55

11 Almgren Drive

Reported: 10/12/2017 14:22

Agawan MA 01001

22103 SDG#: SAI21-02

TF1-GT-108-091317

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	
06024	Antimony	7440-36-0	0.0010 U	0.00045	0.0010	0.0020	1
06025	Arsenic	7440-38-2	0.0138	0.00072	0.0020	0.0040	1
06026	Barium	7440-39-3	0.0080	0.00072	0.0020	0.0040	1
06027	Beryllium	7440-41-7	0.00025 U	0.000071	0.00025	0.0010	1
06028	Cadmium	7440-43-9	0.00050 U	0.00015	0.00050	0.0010	1
06031	Chromium	7440-47-3	0.0020 U	0.00087	0.0020	0.0040	1
06032	Cobalt	7440-48-4	0.0162	0.00016	0.00050	0.0010	1
06033	Copper	7440-50-8	0.0019 J	0.00054	0.0010	0.0040	1
06035	Lead	7439-92-1	0.0010 J	0.00011	0.00025	0.0020	1
06037	Manganese	7439-96-5	1.35	0.00090	0.0020	0.0040	1
06038	Molybdenum	7439-98-7	0.00076 J	0.00025	0.00050	0.0010	1
06039	Nickel	7440-02-0	0.0148	0.0010	0.0020	0.0040	1
06041	Selenium	7782-49-2	0.0010 U	0.00050	0.0010	0.0040	1
06042	Silver	7440-22-4	0.00025 U	0.00015	0.00025	0.0010	1
06045	Thallium	7440-28-0	0.00025 U	0.00012	0.00025	0.0010	1
06048	Vanadium	7440-62-2	0.00050 U	0.00021	0.00050	0.0010	1
06049	Zinc	7440-66-6	0.0085 J	0.0039	0.0075	0.0300	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
06024	Antimony	SW-846 6020A	1	172771063902A	10/11/2017 21:13	Bradley M Berlot	1
06025	Arsenic	SW-846 6020A	1	172771063902A	10/11/2017 21:13	Bradley M Berlot	1
06026	Barium	SW-846 6020A	1	172771063902D	10/12/2017 04:54	Sarah L Burt	1
06027	Beryllium	SW-846 6020A	1	172771063902A	10/11/2017 21:13	Bradley M Berlot	1
06028	Cadmium	SW-846 6020A	1	172771063902A	10/11/2017 21:13	Bradley M Berlot	1
06031	Chromium	SW-846 6020A	1	172771063902A	10/11/2017 21:13	Bradley M Berlot	1
06032	Cobalt	SW-846 6020A	1	172771063902A	10/11/2017 21:13	Bradley M Berlot	1
06033	Copper	SW-846 6020A	1	172771063902A	10/11/2017 21:13	Bradley M Berlot	1
06035	Lead	SW-846 6020A	1	172771063902A	10/11/2017 21:13	Bradley M Berlot	1
06037	Manganese	SW-846 6020A	1	172771063902A	10/11/2017 21:13	Bradley M Berlot	1
06038	Molybdenum	SW-846 6020A	1	172771063902C	10/11/2017 21:13	Bradley M Berlot	1
06039	Nickel	SW-846 6020A	1	172771063902A	10/11/2017 21:13	Bradley M Berlot	1
06041	Selenium	SW-846 6020A	1	172771063902B	10/11/2017 21:13	Bradley M Berlot	1
06042	Silver	SW-846 6020A	1	172771063902A	10/11/2017 21:13	Bradley M Berlot	1
06045	Thallium	SW-846 6020A	1	172771063902A	10/11/2017 21:13	Bradley M Berlot	1
06048	Vanadium	SW-846 6020A	1	172771063902A	10/11/2017 21:13	Bradley M Berlot	1
06049	Zinc	SW-846 6020A	1	172771063902A	10/11/2017 21:13	Bradley M Berlot	1
10639	ICPMS - Water, 3020A - U4	SW-846 3020A	1	172771063902	10/08/2017 21:45	Annamaria Kuhns	1

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

Sample Description: SC39221-04 Groundwater

ELLE Sample # WW 9240343

Project Name: SC39221

ELLE Group # 1857424

Account # 30891

TF1-MW-1008-091317

Collected: 09/13/2017 13:20

Eurofins Spectrum Analytical

Submitted: 09/30/2017 09:55

11 Almgren Drive

Reported: 10/12/2017 14:22

Agawan MA 01001

22104 SDG#: SAI21-03

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	
06024	Antimony	7440-36-0	0.0010 U	0.00045	0.0010	0.0020	1
06025	Arsenic	7440-38-2	0.0019 J	0.00072	0.0020	0.0040	1
06026	Barium	7440-39-3	0.0125	0.00072	0.0020	0.0040	1
06027	Beryllium	7440-41-7	0.000095 J	0.000071	0.00025	0.0010	1
06028	Cadmium	7440-43-9	0.00050 U	0.00015	0.00050	0.0010	1
06031	Chromium	7440-47-3	0.0020 U	0.00087	0.0020	0.0040	1
06032	Cobalt	7440-48-4	0.0305	0.00016	0.00050	0.0010	1
06033	Copper	7440-50-8	0.0010 U	0.00054	0.0010	0.0040	1
06035	Lead	7439-92-1	0.00025 U	0.00011	0.00025	0.0020	1
06037	Manganese	7439-96-5	2.45	0.00090	0.0020	0.0040	1
06038	Molybdenum	7439-98-7	0.00050 U	0.00025	0.00050	0.0010	1
06039	Nickel	7440-02-0	0.0492	0.0010	0.0020	0.0040	1
06041	Selenium	7782-49-2	0.0010 U	0.00050	0.0010	0.0040	1
06042	Silver	7440-22-4	0.00025 U	0.00015	0.00025	0.0010	1
06045	Thallium	7440-28-0	0.00025 U	0.00012	0.00025	0.0010	1
06048	Vanadium	7440-62-2	0.00050 U	0.00021	0.00050	0.0010	1
06049	Zinc	7440-66-6	0.0839	0.0039	0.0075	0.0300	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
06024	Antimony	SW-846 6020A	1	172771063902A	10/11/2017 21:22	Bradley M Berlot	1
06025	Arsenic	SW-846 6020A	1	172771063902A	10/11/2017 21:22	Bradley M Berlot	1
06026	Barium	SW-846 6020A	1	172771063902D	10/12/2017 04:56	Sarah L Burt	1
06027	Beryllium	SW-846 6020A	1	172771063902A	10/11/2017 21:22	Bradley M Berlot	1
06028	Cadmium	SW-846 6020A	1	172771063902A	10/11/2017 21:22	Bradley M Berlot	1
06031	Chromium	SW-846 6020A	1	172771063902A	10/11/2017 21:22	Bradley M Berlot	1
06032	Cobalt	SW-846 6020A	1	172771063902A	10/11/2017 21:22	Bradley M Berlot	1
06033	Copper	SW-846 6020A	1	172771063902A	10/11/2017 21:22	Bradley M Berlot	1
06035	Lead	SW-846 6020A	1	172771063902A	10/11/2017 21:22	Bradley M Berlot	1
06037	Manganese	SW-846 6020A	1	172771063902A	10/11/2017 21:22	Bradley M Berlot	1
06038	Molybdenum	SW-846 6020A	1	172771063902C	10/11/2017 21:22	Bradley M Berlot	1
06039	Nickel	SW-846 6020A	1	172771063902A	10/11/2017 21:22	Bradley M Berlot	1
06041	Selenium	SW-846 6020A	1	172771063902B	10/11/2017 21:22	Bradley M Berlot	1
06042	Silver	SW-846 6020A	1	172771063902A	10/11/2017 21:22	Bradley M Berlot	1
06045	Thallium	SW-846 6020A	1	172771063902A	10/11/2017 21:22	Bradley M Berlot	1
06048	Vanadium	SW-846 6020A	1	172771063902A	10/11/2017 21:22	Bradley M Berlot	1
06049	Zinc	SW-846 6020A	1	172771063902A	10/11/2017 21:22	Bradley M Berlot	1
10639	ICPMS - Water, 3020A - U4	SW-846 3020A	1	172771063902	10/08/2017 21:45	Annamaria Kuhns	1

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

Sample Description: SC39221-05 Groundwater

ELLE Sample # WW 9240344

Project Name: SC39221

ELLE Group # 1857424

Account # 30891

TF1-DUP-04-091312

Collected: 09/13/2017 14:30

Eurofins Spectrum Analytical

Submitted: 09/30/2017 09:55

11 Almgren Drive

Reported: 10/12/2017 14:22

Agawan MA 01001

22105 SDG#: SAI21-04

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	
06024	Antimony	7440-36-0	0.0010 U	0.00045	0.0010	0.0020	1
06025	Arsenic	7440-38-2	0.0018 J	0.00072	0.0020	0.0040	1
06026	Barium	7440-39-3	0.0118	0.00072	0.0020	0.0040	1
06027	Beryllium	7440-41-7	0.000082 J	0.000071	0.00025	0.0010	1
06028	Cadmium	7440-43-9	0.00050 U	0.00015	0.00050	0.0010	1
06031	Chromium	7440-47-3	0.0020 U	0.00087	0.0020	0.0040	1
06032	Cobalt	7440-48-4	0.0316	0.00016	0.00050	0.0010	1
06033	Copper	7440-50-8	0.0010 U	0.00054	0.0010	0.0040	1
06035	Lead	7439-92-1	0.00025 U	0.00011	0.00025	0.0020	1
06037	Manganese	7439-96-5	2.51	0.00090	0.0020	0.0040	1
06038	Molybdenum	7439-98-7	0.00050 U	0.00025	0.00050	0.0010	1
06039	Nickel	7440-02-0	0.0529	0.0010	0.0020	0.0040	1
06041	Selenium	7782-49-2	0.0010 U	0.00050	0.0010	0.0040	1
06042	Silver	7440-22-4	0.00025 U	0.00015	0.00025	0.0010	1
06045	Thallium	7440-28-0	0.00025 U	0.00012	0.00025	0.0010	1
06048	Vanadium	7440-62-2	0.00050 U	0.00021	0.00050	0.0010	1
06049	Zinc	7440-66-6	0.0919	0.0039	0.0075	0.0300	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
06024	Antimony	SW-846 6020A	1	172771063902A	10/11/2017 21:25	Bradley M Berlot	1
06025	Arsenic	SW-846 6020A	1	172771063902A	10/11/2017 21:25	Bradley M Berlot	1
06026	Barium	SW-846 6020A	1	172771063902D	10/12/2017 05:01	Sarah L Burt	1
06027	Beryllium	SW-846 6020A	1	172771063902A	10/11/2017 21:25	Bradley M Berlot	1
06028	Cadmium	SW-846 6020A	1	172771063902A	10/11/2017 21:25	Bradley M Berlot	1
06031	Chromium	SW-846 6020A	1	172771063902A	10/11/2017 21:25	Bradley M Berlot	1
06032	Cobalt	SW-846 6020A	1	172771063902A	10/11/2017 21:25	Bradley M Berlot	1
06033	Copper	SW-846 6020A	1	172771063902A	10/11/2017 21:25	Bradley M Berlot	1
06035	Lead	SW-846 6020A	1	172771063902A	10/11/2017 21:25	Bradley M Berlot	1
06037	Manganese	SW-846 6020A	1	172771063902A	10/11/2017 21:25	Bradley M Berlot	1
06038	Molybdenum	SW-846 6020A	1	172771063902C	10/11/2017 21:25	Bradley M Berlot	1
06039	Nickel	SW-846 6020A	1	172771063902A	10/11/2017 21:25	Bradley M Berlot	1
06041	Selenium	SW-846 6020A	1	172771063902B	10/11/2017 21:25	Bradley M Berlot	1
06042	Silver	SW-846 6020A	1	172771063902A	10/11/2017 21:25	Bradley M Berlot	1
06045	Thallium	SW-846 6020A	1	172771063902A	10/11/2017 21:25	Bradley M Berlot	1
06048	Vanadium	SW-846 6020A	1	172771063902A	10/11/2017 21:25	Bradley M Berlot	1
06049	Zinc	SW-846 6020A	1	172771063902A	10/11/2017 21:25	Bradley M Berlot	1
10639	ICPMS - Water, 3020A - U4	SW-846 3020A	1	172771063902	10/08/2017 21:45	Annamaria Kuhns	1

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

Sample Description: SC39221-06 Groundwater

ELLE Sample # WW 9240345

Project Name: SC39221

ELLE Group # 1857424

Account # 30891

TF1-MW-7-091317

Collected: 09/13/2017 11:20

Eurofins Spectrum Analytical

Submitted: 09/30/2017 09:55

11 Almgren Drive

Reported: 10/12/2017 14:22

Agawan MA 01001

22106 SDG#: SAI21-05BKG

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	
06024	Antimony	7440-36-0	0.0010 U	0.00045	0.0010	0.0020	1
06025	Arsenic	7440-38-2	0.0042	0.00072	0.0020	0.0040	1
06026	Barium	7440-39-3	0.0090	0.00072	0.0020	0.0040	1
06027	Beryllium	7440-41-7	0.00017 J	0.000071	0.00025	0.0010	1
06028	Cadmium	7440-43-9	0.00050 U	0.00015	0.00050	0.0010	1
06031	Chromium	7440-47-3	0.0020 U	0.00087	0.0020	0.0040	1
06032	Cobalt	7440-48-4	0.0947	0.00016	0.00050	0.0010	1
06033	Copper	7440-50-8	0.0010 U	0.00054	0.0010	0.0040	1
06035	Lead	7439-92-1	0.00025 U	0.00011	0.00025	0.0020	1
06037	Manganese	7439-96-5	4.34	0.00090	0.0020	0.0040	1
06038	Molybdenum	7439-98-7	0.00050 U	0.00025	0.00050	0.0010	1
06039	Nickel	7440-02-0	0.104	0.0010	0.0020	0.0040	1
06041	Selenium	7782-49-2	0.0010 U	0.00050	0.0010	0.0040	1
06042	Silver	7440-22-4	0.00025 U	0.00015	0.00025	0.0010	1
06045	Thallium	7440-28-0	0.00025 U	0.00012	0.00025	0.0010	1
06048	Vanadium	7440-62-2	0.00050 U	0.00021	0.00050	0.0010	1
06049	Zinc	7440-66-6	0.0981	0.0039	0.0075	0.0300	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
06024	Antimony	SW-846 6020A	1	172771063902A	10/11/2017 20:51	Bradley M Berlot	1
06025	Arsenic	SW-846 6020A	1	172771063902A	10/11/2017 20:51	Bradley M Berlot	1
06026	Barium	SW-846 6020A	1	172771063902D	10/12/2017 04:41	Sarah L Burt	1
06027	Beryllium	SW-846 6020A	1	172771063902A	10/11/2017 20:51	Bradley M Berlot	1
06028	Cadmium	SW-846 6020A	1	172771063902A	10/11/2017 20:51	Bradley M Berlot	1
06031	Chromium	SW-846 6020A	1	172771063902A	10/11/2017 20:51	Bradley M Berlot	1
06032	Cobalt	SW-846 6020A	1	172771063902A	10/11/2017 20:51	Bradley M Berlot	1
06033	Copper	SW-846 6020A	1	172771063902A	10/11/2017 20:51	Bradley M Berlot	1
06035	Lead	SW-846 6020A	1	172771063902A	10/11/2017 20:51	Bradley M Berlot	1
06037	Manganese	SW-846 6020A	1	172771063902A	10/11/2017 20:51	Bradley M Berlot	1
06038	Molybdenum	SW-846 6020A	1	172771063902C	10/11/2017 20:51	Bradley M Berlot	1
06039	Nickel	SW-846 6020A	1	172771063902A	10/11/2017 20:51	Bradley M Berlot	1
06041	Selenium	SW-846 6020A	1	172771063902B	10/11/2017 20:51	Bradley M Berlot	1
06042	Silver	SW-846 6020A	1	172771063902A	10/11/2017 20:51	Bradley M Berlot	1
06045	Thallium	SW-846 6020A	1	172771063902A	10/11/2017 20:51	Bradley M Berlot	1
06048	Vanadium	SW-846 6020A	1	172771063902A	10/11/2017 20:51	Bradley M Berlot	1
06049	Zinc	SW-846 6020A	1	172771063902A	10/11/2017 20:51	Bradley M Berlot	1
10639	ICPMS - Water, 3020A - U4	SW-846 3020A	1	172771063902	10/08/2017 21:45	Annamaria Kuhns	1

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

Sample Description: SC39221-09 Groundwater

ELLE Sample # WW 9240349

Project Name: SC39221

ELLE Group # 1857424

Account # 30891

Collected: 09/13/2017 10:45

TF1-GT-125-091317

Eurofins Spectrum Analytical

Submitted: 09/30/2017 09:55

11 Almgren Drive

Reported: 10/12/2017 14:22

Agawan MA 01001

22109 SDG#: SAI21-06

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	
06024	Antimony	7440-36-0	0.0010 U	0.00045	0.0010	0.0020	1
06025	Arsenic	7440-38-2	0.0210	0.00072	0.0020	0.0040	1
06026	Barium	7440-39-3	0.0051	0.00072	0.0020	0.0040	1
06027	Beryllium	7440-41-7	0.00025 U	0.000071	0.00025	0.0010	1
06028	Cadmium	7440-43-9	0.00050 U	0.00015	0.00050	0.0010	1
06031	Chromium	7440-47-3	0.0020 U	0.00087	0.0020	0.0040	1
06032	Cobalt	7440-48-4	0.0158	0.00016	0.00050	0.0010	1
06033	Copper	7440-50-8	0.0010 U	0.00054	0.0010	0.0040	1
06035	Lead	7439-92-1	0.00025 U	0.00011	0.00025	0.0020	1
06037	Manganese	7439-96-5	7.56	0.0045	0.0100	0.0200	5
06038	Molybdenum	7439-98-7	0.00055 J	0.00025	0.00050	0.0010	1
06039	Nickel	7440-02-0	0.0022 J	0.0010	0.0020	0.0040	1
06041	Selenium	7782-49-2	0.0010 U	0.00050	0.0010	0.0040	1
06042	Silver	7440-22-4	0.00025 U	0.00015	0.00025	0.0010	1
06045	Thallium	7440-28-0	0.00025 U	0.00012	0.00025	0.0010	1
06048	Vanadium	7440-62-2	0.00050 U	0.00021	0.00050	0.0010	1
06049	Zinc	7440-66-6	0.0075 U	0.0039	0.0075	0.0300	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
06024	Antimony	SW-846 6020A	1	172771063902A	10/11/2017 21:28	Bradley M Berlot	1
06025	Arsenic	SW-846 6020A	1	172771063902A	10/11/2017 21:28	Bradley M Berlot	1
06026	Barium	SW-846 6020A	1	172771063902D	10/12/2017 05:03	Sarah L Burt	1
06027	Beryllium	SW-846 6020A	1	172771063902A	10/11/2017 21:28	Bradley M Berlot	1
06028	Cadmium	SW-846 6020A	1	172771063902A	10/11/2017 21:28	Bradley M Berlot	1
06031	Chromium	SW-846 6020A	1	172771063902A	10/11/2017 21:28	Bradley M Berlot	1
06032	Cobalt	SW-846 6020A	1	172771063902A	10/11/2017 21:28	Bradley M Berlot	1
06033	Copper	SW-846 6020A	1	172771063902A	10/11/2017 21:28	Bradley M Berlot	1
06035	Lead	SW-846 6020A	1	172771063902A	10/11/2017 21:28	Bradley M Berlot	1
06037	Manganese	SW-846 6020A	1	172771063902A	10/12/2017 05:05	Sarah L Burt	5
06038	Molybdenum	SW-846 6020A	1	172771063902C	10/11/2017 21:28	Bradley M Berlot	1
06039	Nickel	SW-846 6020A	1	172771063902A	10/11/2017 21:28	Bradley M Berlot	1
06041	Selenium	SW-846 6020A	1	172771063902B	10/11/2017 21:28	Bradley M Berlot	1
06042	Silver	SW-846 6020A	1	172771063902A	10/11/2017 21:28	Bradley M Berlot	1
06045	Thallium	SW-846 6020A	1	172771063902A	10/11/2017 21:28	Bradley M Berlot	1
06048	Vanadium	SW-846 6020A	1	172771063902A	10/11/2017 21:28	Bradley M Berlot	1
06049	Zinc	SW-846 6020A	1	172771063902A	10/11/2017 21:28	Bradley M Berlot	1
10639	ICPMS - Water, 3020A - U4	SW-846 3020A	1	172771063902	10/08/2017 21:45	Annamaria Kuhns	1

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

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 245.1/7470A

TF1-GT-117-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-02 File ID: 092617A-017
 Sampled: 09/13/17 09:50 Prepared: 09/25/17 17:30
 % Solids: Preparation: EPA200/SW7000 Series Initial/Final: 20 ml / 20 ml
 Batch: 1716319 Sequence: S710618 Calibration: 1712017
 Instrument: Mercury4
 Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
7439-97-6	Mercury	0.00020	U	1	0.00013	0.00020	0.00020

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 245.1/7470A

TF1-GT-108-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-03 File ID: 092617A-018
 Sampled: 09/13/17 14:30 Prepared: 09/25/17 17:30
 % Solids: Preparation: EPA200/SW7000 Series Initial/Final: 20 ml / 20 ml
 Batch: 1716319 Sequence: S710618 Calibration: 1712017
 Instrument: Mercury4
 Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
7439-97-6	Mercury	0.00020	U	1	0.00013	0.00020	0.00020

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 245.1/7470A

TF1-MW-1008-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-04 File ID: 092617A-019
 Sampled: 09/13/17 13:20 Prepared: 09/25/17 17:30
 % Solids: Preparation: EPA200/SW7000 Series Initial/Final: 20 ml / 20 ml
 Batch: 1716319 Sequence: S710618 Calibration: 1712017
 Instrument: Mercury4
 Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
7439-97-6	Mercury	0.00020	U	1	0.00013	0.00020	0.00020

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 245.1/7470A

TF1-DUP-04-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-05 File ID: 092617A-020
 Sampled: 09/13/17 14:30 Prepared: 09/25/17 17:30
 % Solids: Preparation: EPA200/SW7000 Series Initial/Final: 20 ml / 20 ml
 Batch: 1716319 Sequence: S710618 Calibration: 1712017
 Instrument: Mercury4
 Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
7439-97-6	Mercury	0.00017	J	1	0.00013	0.00020	0.00020

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 245.1/7470A

TF1-MW-7-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-06 File ID: 092617A-021
 Sampled: 09/13/17 11:20 Prepared: 09/25/17 17:30
 % Solids: Preparation: EPA200/SW7000 Series Initial/Final: 20 ml / 20 ml
 Batch: 1716319 Sequence: S710618 Calibration: 1712017
 Instrument: Mercury4
 Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
7439-97-6	Mercury	0.00020	U	1	0.00013	0.00020	0.00020

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 245.1/7470A

TF1-GT-125-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-09 File ID: 092617A-028
 Sampled: 09/13/17 10:45 Prepared: 09/25/17 17:30
 % Solids: Preparation: EPA200/SW7000 Series Initial/Final: 20 ml / 20 ml
 Batch: 1716319 Sequence: S710618 Calibration: 1712017
 Instrument: Mercury4
 Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
7439-97-6	Mercury	0.00020	U	1	0.00013	0.00020	0.00020

FORM I - INORGANIC ANALYSIS DATA SHEET

TF1-GZ-106-091317

EPA 300.0

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-01 File ID: 091417-043
 Sampled: 09/13/17 08:25 Prepared: 09/14/17 11:00 Analyzed: 09/14/17 20:52
 % Solids: Preparation: General Preparation Initial/Final: 5 ml / 5 ml
 Batch: 1715756 Sequence: S708851 Calibration: 1710011
 Instrument: IC3
 Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
16887-00-6	Chloride	5.51		1	0.0994	0.100	1.00
14808-79-8	Sulfate as SO4	15.6		1	0.798	1.00	1.00
14797-55-8	Nitrate as N	0.080	J	1	0.007	0.100	0.100

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 300.0

TF1-GT-117-091317

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC39221</u>
Client:	<u>Tetra Tech, Inc. - Salem, NH</u>	Project:	<u>WE15 Tank Farm 1 NAVSTA Newport</u>
Project Number:	<u>112G08005-WE15</u>	Received:	<u>09/14/17 17:00</u>
Matrix:	<u>Ground Water</u>	Laboratory ID:	<u>SC39221-02</u>
		File ID:	<u>091417-044</u>
Sampled:	<u>09/13/17 09:50</u>	Prepared:	<u>09/14/17 11:00</u>
		Analyzed:	<u>09/14/17 21:08</u>
% Solids:		Preparation:	<u>General Preparation</u>
		Initial/Final:	<u>5 ml / 5 ml</u>
Batch:	<u>1715756</u>	Sequence:	<u>S708851</u>
		Calibration:	<u>1710011</u>
Instrument:	<u>IC3</u>		
Reported to:	<u>LOD</u>		

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
16887-00-6	Chloride	43.8		1	0.0994	0.100	1.00
14808-79-8	Sulfate as SO4	13.6		1	0.798	1.00	1.00
14797-55-8	Nitrate as N	0.026	J	1	0.007	0.100	0.100

FORM I - INORGANIC ANALYSIS DATA SHEET

EPA 300.0

TF1-MW-1008-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-04 File ID: 091417-081
 Sampled: 09/13/17 13:20 Prepared: 09/14/17 11:00 Analyzed: 09/15/17 06:59
 % Solids: Preparation: General Preparation Initial/Final: 5 ml / 5 ml
 Batch: 1715756 Sequence: S708851 Calibration: 1710011
 Instrument: IC3
 Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
16887-00-6	Chloride	81.3		3	0.298	0.300	3.00
14808-79-8	Sulfate as SO4	23.0		1	0.798	1.00	1.00
14797-55-8	Nitrate as N	0.100	U	1	0.007	0.100	0.100

FORM I - INORGANIC ANALYSIS DATA SHEET

SM5310B (00, 11)

TF1-GT-117-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-02 File ID: 1716292+1716264_092217-019
 Sampled: 09/13/17 09:50 Prepared: 09/22/17 10:46 Analyzed: 09/22/17 18:40
 % Solids: Preparation: General Preparation Initial/Final: 40 ml / 40 ml
 Batch: 1716292 Sequence: S708483 Calibration: 1706085
 Instrument: TOC4
 Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
NA	Total Organic Carbon	3.22		1	0.238	0.500	1.00

FORM I - INORGANIC ANALYSIS DATA SHEET

SM5310B (00, 11)

TF1-GT-108-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-03 File ID: 1716292+1716264_092217-020
 Sampled: 09/13/17 14:30 Prepared: 09/22/17 10:46 Analyzed: 09/22/17 18:57
 % Solids: Preparation: General Preparation Initial/Final: 40 ml / 40 ml
 Batch: 1716292 Sequence: S708483 Calibration: 1706085
 Instrument: TOC4
 Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
NA	Total Organic Carbon	1.63		1	0.238	0.500	1.00

FORM I - INORGANIC ANALYSIS DATA SHEET

SM5310B (00, 11)

TF1-MW-1008-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-04 File ID: 1716292+1716264_092217-021
 Sampled: 09/13/17 13:20 Prepared: 09/22/17 10:46 Analyzed: 09/22/17 19:13
 % Solids: Preparation: General Preparation Initial/Final: 40 ml / 40 ml
 Batch: 1716292 Sequence: S708483 Calibration: 1706085
 Instrument: TOC4
 Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
NA	Total Organic Carbon	0.431	J	1	0.238	0.500	1.00

FORM I - INORGANIC ANALYSIS DATA SHEET

SM5310B (00, 11)

TF1-DUP-04-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-05 File ID: 1716292+1716264_092217-022
 Sampled: 09/13/17 14:30 Prepared: 09/22/17 10:46 Analyzed: 09/22/17 19:29
 % Solids: Preparation: General Preparation Initial/Final: 40 ml / 40 ml
 Batch: 1716292 Sequence: S708483 Calibration: 1706085
 Instrument: TOC4
 Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
NA	Total Organic Carbon	0.447	J	1	0.238	0.500	1.00

FORM I - INORGANIC ANALYSIS DATA SHEET

SM5310B (00, 11)

TF1-MW-7-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-06 File ID: 1716292+1716264_092217-015
 Sampled: 09/13/17 11:20 Prepared: 09/22/17 10:46 Analyzed: 09/22/17 17:38
 % Solids: Preparation: General Preparation Initial/Final: 40 ml / 40 ml
 Batch: 1716292 Sequence: S708483 Calibration: 1706085
 Instrument: TOC4
 Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
NA	Total Organic Carbon	0.475	J	1	0.238	0.500	1.00

FORM I - INORGANIC ANALYSIS DATA SHEET

SM5310B (00, 11)

TF1-GT-125-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-09 File ID: 1716292+1716264_092217-023
 Sampled: 09/13/17 10:45 Prepared: 09/22/17 10:46 Analyzed: 09/22/17 19:46
 % Solids: Preparation: General Preparation Initial/Final: 40 ml / 40 ml
 Batch: 1716292 Sequence: S708483 Calibration: 1706085
 Instrument: TOC4
 Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
NA	Total Organic Carbon	1.64		1	0.238	0.500	1.00

FORM I - INORGANIC ANALYSIS DATA SHEET

SM18-22 5210B

TF1-GZ-106-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-01 File ID:
 Sampled: 09/13/17 08:25 Prepared: 09/15/17 08:25 Analyzed: 09/25/17 10:32
 % Solids: Preparation: General Preparation Initial/Final: 300 ml / 300 ml
 Batch: 1715902 Sequence: S708497 Calibration: UNASSIGNED
 Instrument: DO Meter
 Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
	Biochemical Oxygen Demand (5-day)	2.97	U	1	2.74	2.97	3.00

FORM I - INORGANIC ANALYSIS DATA SHEET

SM18-22 5210B

TF1-GT-117-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-02 File ID:
 Sampled: 09/13/17 09:50 Prepared: 09/15/17 08:25 Analyzed: 09/25/17 10:32
 % Solids: Preparation: General Preparation Initial/Final: 300 ml / 300 ml
 Batch: 1715902 Sequence: S708497 Calibration: UNASSIGNED
 Instrument: DO Meter
 Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
	Biochemical Oxygen Demand (5-day)	2.97	U	1	2.74	2.97	3.00

FORM I - INORGANIC ANALYSIS DATA SHEET

SM18-22 5210B

TF1-GT-108-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-03 File ID:
 Sampled: 09/13/17 14:30 Prepared: 09/15/17 08:25 Analyzed: 09/25/17 10:32
 % Solids: Preparation: General Preparation Initial/Final: 300 ml / 300 ml
 Batch: 1715902 Sequence: S708497 Calibration: UNASSIGNED
 Instrument: DO Meter
 Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
	Biochemical Oxygen Demand (5-day)	2.97	U	1	2.74	2.97	3.00

FORM I - INORGANIC ANALYSIS DATA SHEET**SM18-22 5210B**

TF1-MW-1008-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-04 File ID:
 Sampled: 09/13/17 13:20 Prepared: 09/15/17 08:25 Analyzed: 09/25/17 10:32
 % Solids: Preparation: General Preparation Initial/Final: 300 ml / 300 ml
 Batch: 1715902 Sequence: S708497 Calibration: UNASSIGNED
 Instrument: DO Meter
 Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
	Biochemical Oxygen Demand (5-day)	6.00		1	2.74	2.97	3.00

FORM I - INORGANIC ANALYSIS DATA SHEET

SM18-22 5210B

TF1-DUP-04-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-05 File ID:
 Sampled: 09/13/17 14:30 Prepared: 09/15/17 08:25 Analyzed: 09/25/17 10:32
 % Solids: Preparation: General Preparation Initial/Final: 300 ml / 300 ml
 Batch: 1715902 Sequence: S708497 Calibration: UNASSIGNED
 Instrument: DO Meter
 Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
	Biochemical Oxygen Demand (5-day)	6.00		1	2.74	2.97	3.00

FORM I - INORGANIC ANALYSIS DATA SHEET**SM18-22 5210B**

TF1-MW-7-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-06 File ID:
 Sampled: 09/13/17 11:20 Prepared: 09/15/17 08:25 Analyzed: 09/25/17 10:32
 % Solids: Preparation: General Preparation Initial/Final: 300 ml / 300 ml
 Batch: 1715902 Sequence: S708497 Calibration: UNASSIGNED
 Instrument: DO Meter
 Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
	Biochemical Oxygen Demand (5-day)	2.97	U	1	2.74	2.97	3.00

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2320B (97, 11)

TF1-GZ-106-091317

Laboratory: <u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG: <u>SC39221</u>	
Client: <u>Tetra Tech, Inc. - Salem, NH</u>	Project: <u>WE15 Tank Farm 1 NAVSTA Newport</u>	
Project Number: <u>112G08005-WE15</u>	Received: <u>09/14/17 17:00</u>	
Matrix: <u>Ground Water</u>	Laboratory ID: <u>SC39221-01</u>	File ID: <u>DTOOL Alk 2017-09-20 1521-01</u>
Sampled: <u>09/13/17 08:25</u>	Prepared: <u>09/18/17 10:32</u>	Analyzed: <u>09/20/17 16:42</u>
% Solids:	Preparation: <u>General Preparation</u>	Initial/Final: <u>100 ml / 50 ml</u>
Batch: <u>1715985</u>	Sequence:	Calibration:
Instrument: <u>Titration</u>		
Reported to: <u>LOD</u>		

CAS NO.	Analyte	Result (mg/l CaCO3)	Q	Dilution Factor	MDL	LOD	LOQ
	Total Alkalinity	18.8		1	0.524	1.50	2.00

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2320B (97, 11)

TF1-GT-117-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-02 File ID: DTOOL Alk 2017-09-20 1521-018
 Sampled: 09/13/17 09:50 Prepared: 09/18/17 10:32 Analyzed: 09/20/17 16:45
 % Solids: Preparation: General Preparation Initial/Final: 100 ml / 50 ml
 Batch: 1715985 Sequence: Calibration:
 Instrument: Titrator
 Reported to: LOD

CAS NO.	Analyte	Result (mg/l CaCO3)	Q	Dilution Factor	MDL	LOD	LOQ
	Total Alkalinity	54.4		1	0.524	1.50	2.00

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2320B (97, 11)

TF1-GT-108-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-03 File ID: DTOOL Alk 2017-09-20 1521-019
 Sampled: 09/13/17 14:30 Prepared: 09/18/17 10:32 Analyzed: 09/20/17 16:50
 % Solids: Preparation: General Preparation Initial/Final: 100 ml / 50 ml
 Batch: 1715985 Sequence: Calibration:
 Instrument: Titrator
 Reported to: LOD

CAS NO.	Analyte	Result (mg/l CaCO3)	Q	Dilution Factor	MDL	LOD	LOQ
	Total Alkalinity	47.5		1	0.524	1.50	2.00

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2320B (97, 11)

TF1-DUP-04-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112G08005-WE15 Received: 09/14/17 17:00
 Matrix: Ground Water Laboratory ID: SC39221-05 File ID: DTOOL Alk 2017-09-20 1521-021
 Sampled: 09/13/17 14:30 Prepared: 09/18/17 10:32 Analyzed: 09/20/17 16:59
 % Solids: Preparation: General Preparation Initial/Final: 100 ml / 50 ml
 Batch: 1715985 Sequence: Calibration:
 Instrument: Titration
 Reported to: LOD

CAS NO.	Analyte	Result (mg/l CaCO3)	Q	Dilution Factor	MDL	LOD	LOQ
	Total Alkalinity	39.9		1	0.524	1.50	2.00

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2320B (97, 11)

TF1-MW-7-091317

Laboratory: <u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG: <u>SC39221</u>	
Client: <u>Tetra Tech, Inc. - Salem, NH</u>	Project: <u>WE15 Tank Farm 1 NAVSTA Newport</u>	
Project Number: <u>112G08005-WE15</u>	Received: <u>09/14/17 17:00</u>	
Matrix: <u>Ground Water</u>	Laboratory ID: <u>SC39221-06</u>	File ID: <u>DTOOL Alk 2017-09-20 1521-02</u>
Sampled: <u>09/13/17 11:20</u>	Prepared: <u>09/18/17 10:32</u>	Analyzed: <u>09/20/17 17:03</u>
% Solids:	Preparation: <u>General Preparation</u>	Initial/Final: <u>100 ml / 50 ml</u>
Batch: <u>1715985</u>	Sequence:	Calibration:
Instrument: <u>Titrator</u>		
Reported to: <u>LOD</u>		

CAS NO.	Analyte	Result (mg/l CaCO3)	Q	Dilution Factor	MDL	LOD	LOQ
	Total Alkalinity	41.6		1	0.524	1.50	2.00

Appendix C

Support Documentation

ANALYTE	ORIGINAL MW-1008-091317	TF1- DUPLICATE DUP04-091317	TF1- RL	RPD	RPD > 30%	ORIGINAL SAMPLE CONC >5xRL	DUPLICATE SAMPLE CONC >5xRL	DIFFERENCE >2XRL
Methyl tert-butyl ether	0.3	0.3	1	0	FALSE	FALSE	FALSE	FALSE
Pentadecafluorooctanoic acid	67	59	2	12.70	FALSE	TRUE	TRUE	TRUE
Perfluorobutanesulfonic acid	21	21	3	0.00	FALSE	TRUE	TRUE	FALSE
Perfluorobutanoic acid	34	34	10	0.00	FALSE	FALSE	FALSE	FALSE
Perfluoroheptanoic acid	16	16	2	0.00	FALSE	TRUE	TRUE	FALSE
Perfluorohexanesulfonic acid	38	43	3	12.35	FALSE	TRUE	TRUE	FALSE
Perfluorohexanoic acid	130	120	2	8.00	FALSE	TRUE	TRUE	TRUE
Perfluorooctane sulfonic acid	6	5	6	18.18	FALSE	FALSE	FALSE	FALSE
Perfluoropentanoic acid	89	90	2	1.12	FALSE	TRUE	TRUE	FALSE

ANALYTE	ORIGINAL	DUPLICATE	RL	RPD	RPD > 30%	ORIGINAL SAMPLE	DUPLICATE SAMPLE	DIFFERENCE >2XRL
	MW-1008	DUP-04				CONC >5xRL	CONC >5xRL	
Arsenic	0.0019	0.0018	0.004	5.41	FALSE	FALSE	FALSE	FALSE
Barium	0.0125	0.0118	0.004	5.76	FALSE	FALSE	FALSE	FALSE
Beryllium	0.000095	0.000082	0.001	14.69	FALSE	FALSE	FALSE	FALSE
Calcium	10.7	11.3	0.2	5.45	FALSE	TRUE	TRUE	TRUE
Cobalt	0.0305	0.0316	0.001	3.54	FALSE	TRUE	TRUE	FALSE
Iron	24.3	25.1	0.08	3.24	FALSE	TRUE	TRUE	TRUE
Magnesium	9.22	9.5	0.02	2.99	FALSE	TRUE	TRUE	TRUE
Manganese	2.45	2.51	0.004	2.42	FALSE	TRUE	TRUE	TRUE
Nickel	0.0492	0.0529	0.004	7.25	FALSE	TRUE	TRUE	FALSE
Potassium	0.623	0.64	1	2.69	FALSE	FALSE	FALSE	FALSE
Sodium	30.4	31.4	0.5	3.24	FALSE	TRUE	TRUE	FALSE
Zinc	0.0839	0.0919	0.03	9.10	FALSE	FALSE	FALSE	FALSE
Mercury	0.0002	0.00017	0.0002	16.22	FALSE	FALSE	FALSE	FALSE

ANALYTE	ORIGINAL	DUPLICATE	RL	RPD	RPD > 30%	ORIGINAL SAMPLE	DUPLICATE SAMPLE	DIFFERENCE >2XRL
	MW-1008	DUP-04				CONC >5xRL	CONC >5xRL	
Total Alkalinity	39.9	39.9	2	0.00	FALSE	TRUE	TRUE	FALSE
BOD (5-day)	6	6	3	0.00	FALSE	FALSE	FALSE	FALSE
Chloride	81.3	80.4	3	1.11	FALSE	TRUE	TRUE	FALSE
Sulfate as SO4	23	23.2	1	0.87	FALSE	TRUE	TRUE	FALSE



Spectrum Analytical

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:

- Standard TAT - 7 to 10 business days
- Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
 Min. 24-hr notification needed for rushes
 Samples disposed after 30 days unless otherwise instructed.

Report To: Tetra Tech
5 Industrial Way
Salem NH 03079

Telephone #: 603-328-1469
 Project Mgr: Steve Parker

Invoice To: Mike Dryden
Earth Toxics Inc.
8275 S. Eastern Ave.
Las Vegas NV 89123

P.O. No.: _____ Quote #: _____

Project No: 112608005-WE15

Site Name: Tank Farm 1, NAVSTA Newport

Location: Portsmouth State: RI

Sampler(s): D. Whalen, S. Oshien, J. Penko

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
 7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

2 4 2 10

QA/QC Reporting Notes:

- * additional charges may apply
- MA DEP MCP CAM Report? Yes No
 CT DPH RCP Report? Yes No
- Standard No QC
 DQA*
- ASP A* ASP B*
 NJ Reduced* NJ Full*
 Tier II* Tier IV*
- Other: CERCLA
 State-specific reporting standards:

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water

O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas

X1= QC X2= _____ X3= _____

G= Grab

C=Composite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	TPH (8015D)	SVOCs/PAHs (8270D)	TAL Metals (6020A/2470A)	TCL VOCs (8260)	Anions (9050A), BOD (5210B), ALK. (2320B)	TOC (5310B)	Pressured Gases (R3K-175)	PFAS (537 Mod.)	Check if chlorinated
<u>SC39221-01</u>	<u>TFI-GZ-106-091317</u>	<u>9-13-17</u>	<u>0825</u>	<u>G</u>	<u>GW</u>		<u>2</u>		<u>2</u>					<input checked="" type="checkbox"/>				<input type="checkbox"/>
<u>02</u>	<u>TFI-GT-117-091317</u>		<u>0950</u>	<u>G</u>	<u>GW</u>	<u>7</u>	<u>6</u>		<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>03</u>	<u>TFI-GT-108-091317</u>		<u>1430</u>	<u>G</u>	<u>GW</u>	<u>7</u>	<u>6</u>		<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>04</u>	<u>TFI-MW-1008-091317</u>		<u>1320</u>	<u>G</u>	<u>GW</u>	<u>7</u>	<u>8</u>		<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>05</u>	<u>TFI-DVP-04-091317</u>		<u>1430</u>	<u>G</u>	<u>GW</u>	<u>7</u>	<u>6</u>		<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>06</u>	<u>TFI-MW-7-091317</u>		<u>1120</u>	<u>G</u>	<u>GW</u>	<u>21</u>	<u>24</u>	<u>15</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>07</u>	<u>TFI-FRB-091317</u>		<u>1100</u>	<u>G</u>	<u>XI</u>				<u>2</u>								<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>08</u>	<u>TFI-TB-091317</u>		<u>0730</u>	<u>G</u>	<u>XI</u>	<u>1</u>							<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>09</u>	<u>TFI-GT-125-091317</u>	<u>✓</u>	<u>1045</u>	<u>G</u>	<u>GW</u>	<u>7</u>	<u>2</u>	<u>3</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

DOMS/MSD

Relinquished by:	Received by:	Date:	Time:	Temp °C
<u>Donald Whalen</u>	<u>[Signature]</u>	<u>9/14/17</u>	<u>11:09</u>	<u>3.2</u>
<u>[Signature]</u>	<u>[Signature]</u>	<u>9/14/17</u>	<u>17:00</u>	<u>0</u>
				<u>3.2</u>
				<u>02</u>

- EDD format: _____
- E-mail to: stephen.parker@tetratech.com
- Condition upon receipt: Custody Seals: Present Intact Broken
- Ambient Iced Refrigerated DI VOA Frozen Soil Jar Frozen



Spectrum Analytical

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:

Standard TAT - 7 to 10 business days

Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 30 days unless otherwise instructed.

Report To: TetraTech
5 Industrial way
Salem, NH 03079

Telephone #: 608-328-1469
Project Mgr: Steve Parker

Invoice To: Mike Preyden
Earth Toxics Inc
8275 S. Eastern Ave
Las Vegas NV 89123

P.O No.: _____ Quote #: _____

Project No: 112G08005-WEIS

Site Name: Tank Farm 1, NAVSTA Newport

Location: Portsmouth State: RI

Sampler(s): D. Whalen, S. Oshier, J. Perko

F=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____

List Preservative Code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1= QC X2= _____ X3= _____

Containers

Analysis

G= Grab C=Composite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Pesticides (8081B)	PCBs (Aroclors, 8082A)	Check if chlorinated
<u>SC39221-01</u>	<u>TFI-GZ-106-091317</u>	<u>9-13-17</u>	<u>0825</u>	<u>G</u>	<u>GW</u>		<u>2</u>		<u>2</u>	<input checked="" type="checkbox"/>		
<u>02</u>	<u>TFI-GT-117-091317</u>		<u>0950</u>	<u>G</u>	<u>GW</u>	<u>7</u>	<u>6</u>		<u>5</u>	<input checked="" type="checkbox"/>		
<u>03</u>	<u>TFI-GT-108-091317</u>		<u>1430</u>	<u>G</u>	<u>GW</u>	<u>7</u>	<u>6</u>		<u>5</u>	<input checked="" type="checkbox"/>		
<u>04</u>	<u>TFI-MW-1008-091317</u>		<u>1320</u>	<u>G</u>	<u>GW</u>	<u>7</u>	<u>8</u>		<u>5</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<u>05</u>	<u>TFI-DUP-04-091317</u>		<u>1430</u>	<u>G</u>	<u>GW</u>	<u>7</u>	<u>6</u>		<u>5</u>	<input checked="" type="checkbox"/>		
<u>06</u>	<u>TFI-MW-7-091317</u>		<u>1120</u>	<u>G</u>	<u>GW</u>	<u>21</u>	<u>24</u>		<u>15</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>Do MS/MSD</u>
<u>07</u>	<u>TFI-FRB-091317</u>		<u>1100</u>	<u>G</u>	<u>XI</u>				<u>2</u>			
<u>08</u>	<u>TFI-TB-091317</u>		<u>0730</u>	<u>G</u>	<u>XI</u>	<u>1</u>						
<u>09</u>	<u>TFI-GT-125-091317</u>	<u>✓</u>	<u>1045</u>	<u>G</u>	<u>GW</u>	<u>7</u>	<u>2</u>		<u>3</u>			

MA DEP MCP CAM Report? Yes No
CT DPH RCP Report? Yes No
 Standard No QC
 DQA*
 ASP A* ASP B*
 NJ Reduced* NJ Full*
 Tier II* Tier IV*
 Other: CERCLA
State-specific reporting standards:

Relinquished by:

Received by:

Date:

Time:

Temp °C

EDD format:

E-mail to:

Donald Whalen

[Signature]

9-14-17

11:09

Observed 3.2

stephen.parker@tetratech.com

Correction Factor 0

Corrected 3.2

Condition upon receipt: Custody Seals: Present Intact Broken

Ambient Iced Refrigerated DI VOA Frozen Soil Jar Frozen

SDGSC39221

SC39221 General Narrative

Eurofins Spectrum Analytical, Inc. submits the enclosed data package for the site characterization of WE15 Tank Farm 1 NAVSTA Newport. Samples submitted for analysis by Tetra Tech, Inc. - Salem, NH. Under this deliverable, analysis results are presented for two QC samples and seven Ground Water samples submitted on September 13th, 2017.

The analyses were performed according to USEPA SW846 method analytical guidelines and other methods. In addition the analyses were performed according to criteria dictated by National Environmental Laboratory Accreditation Conference (NELAC) and in accordance with project contract requirements and chain of custody forms.

Observations and/or deviations observed for specific analyses can be found in the analysis narrative:

1. Overall Observations:

Where needed, manual integrations were performed to improve data quality. The corrections were reviewed and associated hardcopies generated and reported as required. Manual Integrations are coded to provide the data reviewer justification for such action. The codes are labeled on corresponding raw data for GC/MS and GC analysis as follows:

- M1 peak tailing or fronting
- M2 peak co-elution
- M3 rising or falling baseline
- M4 retention time shift
- M5 miscellaneous - under this category, the justification is explained
- M6 software did not integrate peak
- M7 partial peak integration

The enclosed report includes the originals of all data with the exception of logbook pages and certain initial calibrations. Scanned copies of logbook pages are included, with the originals are archived within the laboratory.

The pages in this report have been numbered consecutively, starting with the general narrative and ending with the page labeled as "Last Page of data Report".

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this electronic data package, has been authorized by the laboratory director as verified by the following signature.



Christina A. White
Laboratory Director

Date: 12/15/2017

SW846 8260C

CROSS REFERENCE TABLE

SW846 8260C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Project Number: 112G08005-WE15

Client Sample ID:

Lab Sample ID:

TF1-GT-117-091317

SC39221-02

TF1-GT-108-091317

SC39221-03

TF1-MW-1008-091317

SC39221-04

TF1-DUP-04-091317

SC39221-05

TF1-MW-7-091317

SC39221-06

TF1-TB-091317

SC39221-08

TF1-GT-125-091317

SC39221-09

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport / 112G08005-WE15

SDG #: SC39221

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8260C.

IV. PREPARATION

Aqueous samples were prepared according to SW846 5030 Water MS.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8260C:

HPV7 details: GC/MS Tekmar Solatek 72 Multi-matrix vial autosampler Tekmar Stratum sample concentrator Tekmar #9, U-Shape trap and conditions used Agilent 7890A series gas chromatograph Agilent 5975C Mass Selective Detector Column - DB-VRX, 20 meters, 0.18mm diameter 1.0um film

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria with the following exceptions:

In calibration 1709039:

Analyte quantified by quadratic type calibration: 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 2-Hexanone (MBK), 4-Methyl-2-pentanone (MIBK), Bromoform, cis-1,3-Dichloropropene, Cyclohexane, Dibromochloromethane, Ethylbenzene, m,p-Xylene, Methylcyclohexane, o-Xylene, Styrene, trans-1,3-Dichloropropene, Vinyl chloride

This affected the following samples:

S708423-CCV2, 1716238-BS1, 1716238-BSD1, 1716331-BLK1, 1716331-BS1, 1716331-BSD1, 1716331-MS1, 1716331-MSD1, 1716238-BLK1, S708423-CCV1, TF1-TB-091317, S708472-CCV1, S708472-CCV2, TF1-DUP-04-091317, TF1-GT-108-091317, TF1-GT-117-091317, TF1-GT-125-091317, TF1-MW-1008-091317, TF1-MW-7-091317, S708366-ICV1

B. Blanks:

All blanks were within the acceptance criteria.

C. Surrogates:

All method criteria were met.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1716331 from source sample TF1-MW-7-091317 (SC39221-06).

All method criteria were met with the following exceptions:

cis-1,3-Dichloropropene, Methyl acetate, Methylcyclohexane, trans-1,3-Dichloropropene in batch 1716331, lab sample 1716331-MS1 from source sample TF1-MW-7-091317 (SC39221-06): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

1,2,4-Trichlorobenzene, Vinyl chloride in batch 1716331, lab sample 1716331-MSD1 from source sample TF1-MW-7-091317 (SC39221-06): The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

Methyl acetate in batch 1716331, lab sample 1716331-MSD1 from source sample TF1-MW-7-091317 (SC39221-06): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

E. Duplicates:

No client requested duplicate. However, the method criteria may have been fulfilled with non-SDG source samples.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met.

FORM II - SURROGATE STANDARD RECOVERY SUMMARY

SW846 8260C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Client ID	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	Total Out
Blank (1716238-BLK1)	110	92	102	99			0
LCS (1716238-BS1)	99	102	95	98			0
LCS Dup (1716238-BSD1)	100	104	96	100			0
TF1-GT-117-091317 (SC39221-02)	102	91	98	103			0
TF1-GT-108-091317 (SC39221-03)	105	91	100	103			0
TF1-MW-1008-091317 (SC39221-04)	106	93	100	97			0
TF1-DUP-04-091317 (SC39221-05)	107	93	104	98			0

Control Limits

S1 = 1,2-Dichloroethane-d4	81 - 118
S2 = 4-Bromofluorobenzene	85 - 114
S3 = Dibromofluoromethane	80 - 119
S4 = Toluene-d8	89 - 112

Column to be used to flag recovery values

* Values outside of QC limits

FORM II - SURROGATE STANDARD RECOVERY SUMMARY

SW846 8260C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Client ID	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	Total Out
Blank (1716331-BLK1)	103	92	97	97			0
LCS (1716331-BS1)	100	105	95	99			0
LCS Dup (1716331-BSD1)	100	102	95	100			0
Matrix Spike (1716331-MS1)	102	104	102	102			0
Matrix Spike Dup (1716331-MSD1)	102	104	99	100			0
TF1-MW-7-091317 (SC39221-06)	106	90	98	97			0
TF1-TB-091317 (SC39221-08)	105	95	98	96			0
TF1-GT-125-091317 (SC39221-09)	105	93	100	97			0

Control Limits

S1 = 1,2-Dichloroethane-d4	81 - 118
S2 = 4-Bromofluorobenzene	85 - 114
S3 = Dibromofluoromethane	80 - 119
S4 = Toluene-d8	89 - 112

Column to be used to flag recovery values

* Values outside of QC limits

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 8260C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Instrument: HPV7

Batch: 1716238

Laboratory ID: 1716238-BS1

Preparation: SW846 5030 Water MS

Initial/Final: 5 ml / 5 ml

Analyzed: 09/22/17 21:42

Spike ID: 17I0591

File ID: LCS0922C.D

COMPOUND	SPIKE ADDED (µg/l)	LCS CONCENTRATION (µg/l)	LCS % REC. #	QC LIMITS REC.
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.0	18.2	91	70 - 136
Acetone	20.0	19.1	96	39 - 160
Benzene	20.0	20.2	101	79 - 120
Bromochloromethane	20.0	18.3	91	78 - 123
Bromodichloromethane	20.0	23.1	115	79 - 125
Bromoform	20.0	21.9	109	66 - 130
Bromomethane	20.0	19.2	96	53 - 141
2-Butanone (MEK)	20.0	21.5	107	56 - 143
Carbon disulfide	20.0	18.1	91	64 - 133
Carbon tetrachloride	20.0	20.9	105	72 - 136
Chlorobenzene	20.0	20.6	103	82 - 118
Chloroethane	20.0	18.7	93	60 - 138
Chloroform	20.0	18.4	92	79 - 124
Chloromethane	20.0	18.0	90	50 - 139
1,2-Dibromo-3-chloropropane	20.0	20.8	104	62 - 128
Dibromochloromethane	20.0	20.3	102	74 - 126
1,2-Dibromoethane (EDB)	20.0	21.3	107	77 - 121
1,2-Dichlorobenzene	20.0	20.8	104	80 - 119
1,3-Dichlorobenzene	20.0	19.9	99	80 - 119
1,4-Dichlorobenzene	20.0	19.2	96	79 - 118
Dichlorodifluoromethane (Freon12)	20.0	19.3	97	32 - 152
1,1-Dichloroethane	20.0	18.3	92	77 - 125
1,2-Dichloroethane	20.0	20.3	102	73 - 128
1,1-Dichloroethene	20.0	18.0	90	71 - 131
cis-1,2-Dichloroethene	20.0	18.1	91	78 - 123
trans-1,2-Dichloroethene	20.0	17.9	89	75 - 124
1,2-Dichloropropane	20.0	22.1	110	78 - 128
cis-1,3-Dichloropropene	20.0	19.6	98	75 - 124
trans-1,3-Dichloropropene	20.0	20.1	101	73 - 127
Ethylbenzene	20.0	19.0	95	79 - 121

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 8260C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Instrument: HPV7

Batch: 1716238

Laboratory ID: 1716238-BS1

Preparation: SW846 5030 Water MS

Initial/Final: 5 ml / 5 ml

Analyzed: 09/22/17 21:42

Spike ID: 17I0591

File ID: LCS0922C.D

COMPOUND	SPIKE ADDED (µg/l)	LCS CONCENTRATION (µg/l)	LCS % REC. #	QC LIMITS REC.
2-Hexanone (MBK)	20.0	21.0	105	57 - 139
Isopropylbenzene	20.0	20.1	101	72 - 131
Methyl tert-butyl ether	20.0	20.4	102	71 - 124
4-Methyl-2-pentanone (MIBK)	20.0	20.3	101	67 - 130
Methylene chloride	20.0	18.1	90	74 - 124
Styrene	20.0	19.2	96	78 - 123
1,1,2,2-Tetrachloroethane	20.0	21.6	108	71 - 121
Tetrachloroethene	20.0	20.0	100	74 - 129
Toluene	20.0	19.5	98	80 - 121
1,2,3-Trichlorobenzene	20.0	19.9	100	69 - 129
1,2,4-Trichlorobenzene	20.0	18.9	94	69 - 130
1,1,1-Trichloroethane	20.0	20.3	102	74 - 131
1,1,2-Trichloroethane	20.0	20.6	103	80 - 119
Trichloroethene	20.0	21.9	109	79 - 123
Trichlorofluoromethane (Freon 11)	20.0	19.4	97	64 - 141
Vinyl chloride	20.0	19.2	96	58 - 137
m,p-Xylene	20.0	19.2	96	80 - 121
o-Xylene	20.0	20.1	100	78 - 122
Cyclohexane	20.0	18.3	92	71 - 130
Methyl acetate	20.0	16.8	84	56 - 136
Methylcyclohexane	20.0	19.9	100	72 - 132

File ID: LCS0922D.D

COMPOUND	SPIKE ADDED (µg/l)	LCSD CONCENTRATION (µg/l)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,1,2-Trichlorotrifluoroethane (Freon)	20.0	18.7	94	3	25	70 - 136
Acetone	20.0	19.4	97	2	50	39 - 160
Benzene	20.0	20.4	102	1	25	79 - 120
Bromochloromethane	20.0	19.0	95	4	25	78 - 123
Bromodichloromethane	20.0	21.6	108	7	25	79 - 125

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 8260C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Instrument: HPV7

Batch: 1716238

Laboratory ID: 1716238-BSD1

Preparation: SW846 5030 Water MS

Initial/Final: 5 ml / 5 ml

Analyzed: 09/22/17 22:11

Spike ID: 17I0591

File ID: LCS0922D.D

COMPOUND	SPIKE ADDED (µg/l)	LCSD CONCENTRATION (µg/l)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Bromoform	20.0	21.2	106	3	25	66 - 130
Bromomethane	20.0	19.8	99	3	50	53 - 141
2-Butanone (MEK)	20.0	22.8	114	6	50	56 - 143
Carbon disulfide	20.0	19.1	95	5	25	64 - 133
Carbon tetrachloride	20.0	21.5	108	3	25	72 - 136
Chlorobenzene	20.0	20.1	100	3	25	82 - 118
Chloroethane	20.0	19.7	98	5	50	60 - 138
Chloroform	20.0	19.0	95	3	25	79 - 124
Chloromethane	20.0	20.8	104	14	25	50 - 139
1,2-Dibromo-3-chloropropane	20.0	20.9	105	0.7	25	62 - 128
Dibromochloromethane	20.0	20.8	104	2	50	74 - 126
1,2-Dibromoethane (EDB)	20.0	21.8	109	3	25	77 - 121
1,2-Dichlorobenzene	20.0	21.4	107	3	25	80 - 119
1,3-Dichlorobenzene	20.0	20.5	103	3	25	80 - 119
1,4-Dichlorobenzene	20.0	19.9	99	3	25	79 - 118
Dichlorodifluoromethane (Freon12)	20.0	20.0	100	4	50	32 - 152
1,1-Dichloroethane	20.0	18.9	94	3	25	77 - 125
1,2-Dichloroethane	20.0	20.5	102	0.7	25	73 - 128
1,1-Dichloroethene	20.0	19.0	95	5	25	71 - 131
cis-1,2-Dichloroethene	20.0	18.2	91	0.3	25	78 - 123
trans-1,2-Dichloroethene	20.0	18.7	93	4	25	75 - 124
1,2-Dichloropropane	20.0	20.2	101	9	25	78 - 128
cis-1,3-Dichloropropene	20.0	20.7	103	5	25	75 - 124
trans-1,3-Dichloropropene	20.0	20.8	104	3	25	73 - 127
Ethylbenzene	20.0	19.6	98	3	25	79 - 121
2-Hexanone (MBK)	20.0	21.4	107	2	25	57 - 139
Isopropylbenzene	20.0	20.9	105	4	25	72 - 131
Methyl tert-butyl ether	20.0	21.2	106	4	25	71 - 124
4-Methyl-2-pentanone (MIBK)	20.0	21.0	105	3	50	67 - 130
Methylene chloride	20.0	18.6	93	3	25	74 - 124

FORM IIIa - LCS / LCS DUPLICATE RECOVERY
SW846 8260C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA
 Client: Tetra Tech, Inc. - Salem, NH
 Matrix: Aqueous
 Batch: 1716238
 Preparation: SW846 5030 Water MS
 Analyzed: 09/22/17 22:11

SDG: SC39221
 Project: WE15 Tank Farm 1 NAVSTA Newport
 Instrument: HPV7
 Laboratory ID: 1716238-BSD1
 Initial/Final: 5 ml / 5 ml
 Spike ID: 1710591
 File ID: LCS0922D.D

COMPOUND	SPIKE ADDED (µg/l)	LCSD CONCENTRATION (µg/l)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Styrene	20.0	20.2	101	5	25	78 - 123
1,1,2,2-Tetrachloroethane	20.0	21.4	107	1	25	71 - 121
Tetrachloroethene	20.0	21.0	105	5	25	74 - 129
Toluene	20.0	20.1	100	3	25	80 - 121
1,2,3-Trichlorobenzene	20.0	21.0	105	5	25	69 - 129
1,2,4-Trichlorobenzene	20.0	20.6	103	9	25	69 - 130
1,1,1-Trichloroethane	20.0	20.7	104	2	25	74 - 131
1,1,2-Trichloroethane	20.0	21.0	105	2	25	80 - 119
Trichloroethene	20.0	20.5	102	7	25	79 - 123
Trichlorofluoromethane (Freon 11)	20.0	19.6	98	0.8	50	64 - 141
Vinyl chloride	20.0	20.8	104	8	25	58 - 137
m,p-Xylene	20.0	20.0	100	4	25	80 - 121
o-Xylene	20.0	20.0	100	0.3	25	78 - 122
Cyclohexane	20.0	19.1	95	4	30	71 - 130
Methyl acetate	20.0	17.0	85	1	30	56 - 136
Methylcyclohexane	20.0	18.9	95	5	30	72 - 132

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 8260C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Instrument: HPV7

Batch: 1716331

Laboratory ID: 1716331-BS1

Preparation: SW846 5030 Water MS

Initial/Final: 5 ml / 5 ml

Analyzed: 09/23/17 09:33

Spike ID: 17I0591

File ID: LCS0923A.D

COMPOUND	SPIKE ADDED (µg/l)	LCS CONCENTRATION (µg/l)	LCS % REC. #	QC LIMITS REC.
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.0	19.5	98	70 - 136
Acetone	20.0	19.5	98	39 - 160
Benzene	20.0	21.5	107	79 - 120
Bromochloromethane	20.0	18.9	94	78 - 123
Bromodichloromethane	20.0	21.8	109	79 - 125
Bromoform	20.0	21.8	109	66 - 130
Bromomethane	20.0	19.8	99	53 - 141
2-Butanone (MEK)	20.0	21.8	109	56 - 143
Carbon disulfide	20.0	20.0	100	64 - 133
Carbon tetrachloride	20.0	23.2	116	72 - 136
Chlorobenzene	20.0	21.6	108	82 - 118
Chloroethane	20.0	20.2	101	60 - 138
Chloroform	20.0	19.8	99	79 - 124
Chloromethane	20.0	20.0	100	50 - 139
1,2-Dibromo-3-chloropropane	20.0	21.6	108	62 - 128
Dibromochloromethane	20.0	21.3	107	74 - 126
1,2-Dibromoethane (EDB)	20.0	22.1	110	77 - 121
1,2-Dichlorobenzene	20.0	22.0	110	80 - 119
1,3-Dichlorobenzene	20.0	21.4	107	80 - 119
1,4-Dichlorobenzene	20.0	20.7	104	79 - 118
Dichlorodifluoromethane (Freon12)	20.0	20.3	101	32 - 152
1,1-Dichloroethane	20.0	19.5	97	77 - 125
1,2-Dichloroethane	20.0	21.2	106	73 - 128
1,1-Dichloroethene	20.0	20.3	102	71 - 131
cis-1,2-Dichloroethene	20.0	19.3	96	78 - 123
trans-1,2-Dichloroethene	20.0	19.4	97	75 - 124
1,2-Dichloropropane	20.0	20.3	102	78 - 128
cis-1,3-Dichloropropene	20.0	21.4	107	75 - 124
trans-1,3-Dichloropropene	20.0	21.5	108	73 - 127
Ethylbenzene	20.0	20.8	104	79 - 121

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 8260C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Instrument: HPV7

Batch: 1716331

Laboratory ID: 1716331-BS1

Preparation: SW846 5030 Water MS

Initial/Final: 5 ml / 5 ml

Analyzed: 09/23/17 09:33

Spike ID: 17I0591

File ID: LCS0923A.D

COMPOUND	SPIKE ADDED (µg/l)	LCS CONCENTRATION (µg/l)	LCS % REC. #	QC LIMITS REC.
2-Hexanone (MBK)	20.0	21.0	105	57 - 139
Isopropylbenzene	20.0	22.4	112	72 - 131
Methyl tert-butyl ether	20.0	21.5	108	71 - 124
4-Methyl-2-pentanone (MIBK)	20.0	20.5	102	67 - 130
Methylene chloride	20.0	18.7	93	74 - 124
Styrene	20.0	20.8	104	78 - 123
1,1,2,2-Tetrachloroethane	20.0	21.8	109	71 - 121
Tetrachloroethene	20.0	21.8	109	74 - 129
Toluene	20.0	20.8	104	80 - 121
1,2,3-Trichlorobenzene	20.0	21.5	108	69 - 129
1,2,4-Trichlorobenzene	20.0	21.2	106	69 - 130
1,1,1-Trichloroethane	20.0	22.5	112	74 - 131
1,1,2-Trichloroethane	20.0	21.3	107	80 - 119
Trichloroethene	20.0	21.6	108	79 - 123
Trichlorofluoromethane (Freon 11)	20.0	20.9	105	64 - 141
Vinyl chloride	20.0	21.4	107	58 - 137
m,p-Xylene	20.0	21.2	106	80 - 121
o-Xylene	20.0	21.0	105	78 - 122
Cyclohexane	20.0	20.5	103	71 - 130
Methyl acetate	20.0	17.2	86	56 - 136
Methylcyclohexane	20.0	20.9	104	72 - 132

File ID: LCS0923B.D

COMPOUND	SPIKE ADDED (µg/l)	LCSD CONCENTRATION (µg/l)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,1,2-Trichlorotrifluoroethane (Freon)	20.0	18.5	92	6	25	70 - 136
Acetone	20.0	20.6	103	5	50	39 - 160
Benzene	20.0	21.0	105	2	25	79 - 120
Bromochloromethane	20.0	18.8	94	0.4	25	78 - 123
Bromodichloromethane	20.0	21.0	105	4	25	79 - 125

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 8260C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Instrument: HPV7

Batch: 1716331

Laboratory ID: 1716331-BSD1

Preparation: SW846 5030 Water MS

Initial/Final: 5 ml / 5 ml

Analyzed: 09/23/17 10:02

Spike ID: 17I0591

File ID: LCS0923B.D

COMPOUND	SPIKE ADDED (µg/l)	LCSD CONCENTRATION (µg/l)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Bromoform	20.0	21.1	106	3	25	66 - 130
Bromomethane	20.0	20.0	100	1	50	53 - 141
2-Butanone (MEK)	20.0	22.3	111	2	50	56 - 143
Carbon disulfide	20.0	19.0	95	5	25	64 - 133
Carbon tetrachloride	20.0	21.8	109	6	25	72 - 136
Chlorobenzene	20.0	20.2	101	7	25	82 - 118
Chloroethane	20.0	19.0	95	6	50	60 - 138
Chloroform	20.0	19.1	95	4	25	79 - 124
Chloromethane	20.0	19.0	95	5	25	50 - 139
1,2-Dibromo-3-chloropropane	20.0	21.3	107	1	25	62 - 128
Dibromochloromethane	20.0	20.8	104	2	50	74 - 126
1,2-Dibromoethane (EDB)	20.0	22.3	111	0.9	25	77 - 121
1,2-Dichlorobenzene	20.0	21.0	105	5	25	80 - 119
1,3-Dichlorobenzene	20.0	20.0	100	7	25	80 - 119
1,4-Dichlorobenzene	20.0	19.8	99	5	25	79 - 118
Dichlorodifluoromethane (Freon12)	20.0	18.9	95	7	50	32 - 152
1,1-Dichloroethane	20.0	18.9	95	3	25	77 - 125
1,2-Dichloroethane	20.0	20.6	103	3	25	73 - 128
1,1-Dichloroethene	20.0	18.7	94	8	25	71 - 131
cis-1,2-Dichloroethene	20.0	18.7	93	3	25	78 - 123
trans-1,2-Dichloroethene	20.0	18.6	93	4	25	75 - 124
1,2-Dichloropropane	20.0	20.2	101	0.7	25	78 - 128
cis-1,3-Dichloropropene	20.0	20.6	103	4	25	75 - 124
trans-1,3-Dichloropropene	20.0	21.0	105	2	25	73 - 127
Ethylbenzene	20.0	19.5	98	6	25	79 - 121
2-Hexanone (MBK)	20.0	22.0	110	4	25	57 - 139
Isopropylbenzene	20.0	20.5	102	9	25	72 - 131
Methyl tert-butyl ether	20.0	21.5	108	0.09	25	71 - 124
4-Methyl-2-pentanone (MIBK)	20.0	21.0	105	2	50	67 - 130
Methylene chloride	20.0	18.4	92	1	25	74 - 124

FORM IIIa - LCS / LCS DUPLICATE RECOVERY
SW846 8260C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA
 Client: Tetra Tech, Inc. - Salem, NH
 Matrix: Aqueous
 Batch: 1716331
 Preparation: SW846 5030 Water MS
 Analyzed: 09/23/17 10:02

SDG: SC39221
 Project: WE15 Tank Farm 1 NAVSTA Newport
 Instrument: HPV7
 Laboratory ID: 1716331-BSD1
 Initial/Final: 5 ml / 5 ml
 Spike ID: 1710591
 File ID: LCS0923B.D

COMPOUND	SPIKE ADDED (µg/l)	LCSD CONCENTRATION (µg/l)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Styrene	20.0	19.8	99	5	25	78 - 123
1,1,2,2-Tetrachloroethane	20.0	20.8	104	5	25	71 - 121
Tetrachloroethene	20.0	20.7	103	5	25	74 - 129
Toluene	20.0	20.0	100	4	25	80 - 121
1,2,3-Trichlorobenzene	20.0	20.6	103	4	25	69 - 129
1,2,4-Trichlorobenzene	20.0	20.4	102	4	25	69 - 130
1,1,1-Trichloroethane	20.0	21.0	105	7	25	74 - 131
1,1,2-Trichloroethane	20.0	20.6	103	4	25	80 - 119
Trichloroethene	20.0	20.3	102	6	25	79 - 123
Trichlorofluoromethane (Freon 11)	20.0	19.5	97	7	50	64 - 141
Vinyl chloride	20.0	19.4	97	10	25	58 - 137
m,p-Xylene	20.0	19.8	99	7	25	80 - 121
o-Xylene	20.0	19.1	96	9	25	78 - 122
Cyclohexane	20.0	19.5	98	5	30	71 - 130
Methyl acetate	20.0	17.7	89	3	30	56 - 136
Methylcyclohexane	20.0	18.7	93	11	30	72 - 132

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IIIb (Organic) / FORM V (Inorganic)
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

TF1-MW-7-091317

SW846 8260C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Instrument: HPV7

Batch: 1716331

Laboratory ID: 1716331-MS1

Preparation: SW846 5030 Water MS

Initial/Final: 5 ml / 5 ml

Source Sample Name: TF1-MW-7-091317

% Solids:

Spike ID: 1710684

File ID: 3922106M.D

COMPOUND	SPIKE ADDED (µg/l)	SAMPLE CONCENTRATION (µg/l)	MS CONCENTRATION (µg/l)	MS % REC. #	QC LIMITS REC.
1,1,2-Trichlorotrifluoroethane (Freon)	20.0	BRL	14.0	70	70 - 136
Acetone	20.0	BRL	24.3	121	39 - 160
Benzene	20.0	BRL	18.5	92	79 - 120
Bromochloromethane	20.0	BRL	17.5	87	78 - 123
Bromodichloromethane	20.0	BRL	20.2	101	79 - 125
Bromoform	20.0	BRL	20.7	103	66 - 130
Bromomethane	20.0	BRL	16.0	80	53 - 141
2-Butanone (MEK)	20.0	BRL	21.0	105	56 - 143
Carbon disulfide	20.0	BRL	15.1	75	64 - 133
Carbon tetrachloride	20.0	BRL	19.4	97	72 - 136
Chlorobenzene	20.0	BRL	19.3	96	82 - 118
Chloroethane	20.0	BRL	16.1	81	60 - 138
Chloroform	20.0	BRL	18.7	94	79 - 124
Chloromethane	20.0	BRL	15.5	77	50 - 139
1,2-Dibromo-3-chloropropane	20.0	BRL	18.4	92	62 - 128
Dibromochloromethane	20.0	BRL	19.4	97	74 - 126
1,2-Dibromoethane (EDB)	20.0	BRL	20.2	101	77 - 121
1,2-Dichlorobenzene	20.0	BRL	18.6	93	80 - 119
1,3-Dichlorobenzene	20.0	BRL	18.8	94	80 - 119
1,4-Dichlorobenzene	20.0	BRL	17.2	86	79 - 118
Dichlorodifluoromethane (Freon12)	20.0	BRL	12.3	62	32 - 152
1,1-Dichloroethane	20.0	BRL	17.4	87	77 - 125
1,2-Dichloroethane	20.0	BRL	18.8	94	73 - 128
1,1-Dichloroethene	20.0	BRL	16.7	84	71 - 131
cis-1,2-Dichloroethene	20.0	BRL	17.3	86	78 - 123
trans-1,2-Dichloroethene	20.0	BRL	16.7	84	75 - 124
1,2-Dichloropropane	20.0	BRL	18.0	90	78 - 128
cis-1,3-Dichloropropene	20.0	BRL	14.1	70 *	75 - 124
trans-1,3-Dichloropropene	20.0	BRL	14.3	72 *	73 - 127
Ethylbenzene	20.0	BRL	17.4	87	79 - 121

FORM IIIb (Organic) / FORM V (Inorganic)
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

TF1-MW-7-091317

SW846 8260C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Instrument: HPV7

Batch: 1716331

Laboratory ID: 1716331-MS1

Preparation: SW846 5030 Water MS

Initial/Final: 5 ml / 5 ml

Source Sample Name: TF1-MW-7-091317

% Solids:

Spike ID: 1710684

File ID: 3922106M.D

COMPOUND	SPIKE ADDED (µg/l)	SAMPLE CONCENTRATION (µg/l)	MS CONCENTRATION (µg/l)	MS % REC. #	QC LIMITS REC.
2-Hexanone (MBK)	20.0	BRL	18.6	93	57 - 139
Isopropylbenzene	20.0	BRL	18.5	93	72 - 131
Methyl tert-butyl ether	20.0	6.8	25.3	92	71 - 124
4-Methyl-2-pentanone (MIBK)	20.0	BRL	17.9	89	67 - 130
Methylene chloride	20.0	BRL	16.6	83	74 - 124
Styrene	20.0	BRL	17.5	88	78 - 123
1,1,2,2-Tetrachloroethane	20.0	BRL	20.3	102	71 - 121
Tetrachloroethene	20.0	BRL	17.5	87	74 - 129
Toluene	20.0	BRL	18.2	91	80 - 121
1,2,3-Trichlorobenzene	20.0	BRL	16.7	84	69 - 129
1,2,4-Trichlorobenzene	20.0	BRL	15.8	79	69 - 130
1,1,1-Trichloroethane	20.0	BRL	19.1	95	74 - 131
1,1,2-Trichloroethane	20.0	BRL	19.6	98	80 - 119
Trichloroethene	20.0	BRL	18.1	90	79 - 123
Trichlorofluoromethane (Freon 11)	20.0	BRL	16.4	82	64 - 141
Vinyl chloride	20.0	BRL	15.8	79	58 - 137
m,p-Xylene	20.0	BRL	17.5	88	80 - 121
o-Xylene	20.0	BRL	18.1	90	78 - 122
Cyclohexane	20.0	BRL	14.9	75	71 - 130
Methyl acetate	20.0	BRL	5.4	27 *	56 - 136
Methylcyclohexane	20.0	BRL	13.3	67 *	72 - 132

File ID: 3922106R.D

COMPOUND	SPIKE ADDED (µg/l)	MSD CONCENTRATION (µg/l)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,1,2-Trichlorotrifluoroethane (Freon)	20.0	16.4	82	16	20	70 - 136
Acetone	20.0	26.0	130	7	20	39 - 160
Benzene	20.0	21.8	109	17	20	79 - 120
Bromochloromethane	20.0	19.2	96	10	20	78 - 123
Bromodichloromethane	20.0	23.0	115	13	20	79 - 125

FORM IIIb (Organic) / FORM V (Inorganic)
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

TF1-MW-7-091317

SW846 8260C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Instrument: HPV7

Batch: 1716331

Laboratory ID: 1716331-MSD1

Preparation: SW846 5030 Water MS

Initial/Final: 5 ml / 5 ml

Source Sample Name: TF1-MW-7-091317

% Solids:

Spike ID: 1710684

File ID: 3922106R.D

COMPOUND	SPIKE ADDED (µg/l)	MSD CONCENTRATION (µg/l)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Bromoform	20.0	21.6	108	4	20	66 - 130
Bromomethane	20.0	18.2	91	13	20	53 - 141
2-Butanone (MEK)	20.0	20.8	104	0.6	20	56 - 143
Carbon disulfide	20.0	18.4	92	20	20	64 - 133
Carbon tetrachloride	20.0	23.1	115	17	20	72 - 136
Chlorobenzene	20.0	21.3	107	10	20	82 - 118
Chloroethane	20.0	19.3	96	18	20	60 - 138
Chloroform	20.0	20.4	102	9	20	79 - 124
Chloromethane	20.0	18.7	93	19	20	50 - 139
1,2-Dibromo-3-chloropropane	20.0	20.3	101	10	20	62 - 128
Dibromochloromethane	20.0	21.7	108	11	20	74 - 126
1,2-Dibromoethane (EDB)	20.0	22.8	114	12	20	77 - 121
1,2-Dichlorobenzene	20.0	21.6	108	15	20	80 - 119
1,3-Dichlorobenzene	20.0	21.3	107	13	20	80 - 119
1,4-Dichlorobenzene	20.0	20.1	101	15	20	79 - 118
Dichlorodifluoromethane (Freon12)	20.0	14.7	74	18	20	32 - 152
1,1-Dichloroethane	20.0	20.1	100	15	20	77 - 125
1,2-Dichloroethane	20.0	21.8	109	15	20	73 - 128
1,1-Dichloroethene	20.0	19.6	98	16	20	71 - 131
cis-1,2-Dichloroethene	20.0	19.8	99	14	20	78 - 123
trans-1,2-Dichloroethene	20.0	19.6	98	16	20	75 - 124
1,2-Dichloropropane	20.0	21.4	107	17	20	78 - 128
cis-1,3-Dichloropropene	20.0	16.6	83	17	20	75 - 124
trans-1,3-Dichloropropene	20.0	16.8	84	16	20	73 - 127
Ethylbenzene	20.0	20.3	101	15	20	79 - 121
2-Hexanone (MBK)	20.0	20.4	102	9	20	57 - 139
Isopropylbenzene	20.0	21.5	107	15	20	72 - 131
Methyl tert-butyl ether	20.0	28.1	106	11	20	71 - 124
4-Methyl-2-pentanone (MIBK)	20.0	20.2	101	12	20	67 - 130
Methylene chloride	20.0	19.3	96	15	20	74 - 124
Styrene	20.0	20.1	100	14	20	78 - 123

FORM IIIb (Organic) / FORM V (Inorganic)
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

TF1-MW-7-091317

SW846 8260C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Instrument: HPV7

Batch: 1716331

Laboratory ID: 1716331-MSD1

Preparation: SW846 5030 Water MS

Initial/Final: 5 ml / 5 ml

Source Sample Name: TF1-MW-7-091317

% Solids:

Spike ID: 1710684

File ID: 3922106R.D

COMPOUND	SPIKE ADDED (µg/l)	MSD CONCENTRATION (µg/l)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,1,2,2-Tetrachloroethane	20.0	21.5	108	6	20	71 - 121
Tetrachloroethene	20.0	21.1	105	19	20	74 - 129
Toluene	20.0	20.9	104	13	20	80 - 121
1,2,3-Trichlorobenzene	20.0	20.3	102	20	20	69 - 129
1,2,4-Trichlorobenzene	20.0	19.8	99	23 *	20	69 - 130
1,1,1-Trichloroethane	20.0	22.5	113	17	20	74 - 131
1,1,2-Trichloroethane	20.0	21.5	107	9	20	80 - 119
Trichloroethene	20.0	21.6	108	18	20	79 - 123
Trichlorofluoromethane (Freon 11)	20.0	19.3	96	16	20	64 - 141
Vinyl chloride	20.0	20.1	100	24 *	20	58 - 137
m,p-Xylene	20.0	20.0	100	13	20	80 - 121
o-Xylene	20.0	20.9	104	15	20	78 - 122
Cyclohexane	20.0	17.7	88	17	20	71 - 130
Methyl acetate	20.0	5.6	28 *	3	20	56 - 136
Methylcyclohexane	20.0	16.1	81	19	20	72 - 132

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM I - ORGANIC ANALYSIS DATA SHEET
SW846 8260C

1716238-BLK1

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Matrix: Aqueous Laboratory ID: 1716238-BLK1 File ID: BK70922D.D
 Preparation: SW846 5030 Water MS Initial/Final: 5 ml / 5 ml
 Analyzed: 09/22/17 20:44 Instrument: HPV7
 Batch: 1716238 Sequence: S708423 Calibration: 1709039

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1	1.0	U	0.5	1.0	1.0
67-64-1	Acetone	1	2.0	U	0.8	2.0	10.0
71-43-2	Benzene	1	0.5	U	0.3	0.5	1.0
74-97-5	Bromochloromethane	1	1.0	U	0.3	1.0	1.0
75-27-4	Bromodichloromethane	1	0.5	U	0.4	0.5	0.5
75-25-2	Bromoform	1	1.0	U	0.4	1.0	1.0
74-83-9	Bromomethane	1	2.0	U	0.9	2.0	2.0
78-93-3	2-Butanone (MEK)	1	2.0	U	1.1	2.0	2.0
75-15-0	Carbon disulfide	1	1.0	U	0.4	1.0	2.0
56-23-5	Carbon tetrachloride	1	1.0	U	0.4	1.0	1.0
108-90-7	Chlorobenzene	1	0.5	U	0.2	0.5	1.0
75-00-3	Chloroethane	1	2.0	U	0.6	2.0	2.0
67-66-3	Chloroform	1	1.0	U	0.3	1.0	1.0
74-87-3	Chloromethane	1	1.0	U	0.4	1.0	2.0
96-12-8	1,2-Dibromo-3-chloropropane	1	2.0	U	0.9	2.0	2.0
124-48-1	Dibromochloromethane	1	0.5	U	0.3	0.5	0.5
106-93-4	1,2-Dibromoethane (EDB)	1	0.5	U	0.2	0.5	0.5
95-50-1	1,2-Dichlorobenzene	1	0.5	U	0.3	0.5	1.0
541-73-1	1,3-Dichlorobenzene	1	0.5	U	0.3	0.5	1.0
106-46-7	1,4-Dichlorobenzene	1	0.5	U	0.3	0.5	1.0
75-71-8	Dichlorodifluoromethane (Freon12)	1	2.0	U	0.6	2.0	2.0
75-34-3	1,1-Dichloroethane	1	1.0	U	0.3	1.0	1.0
107-06-2	1,2-Dichloroethane	1	1.0	U	0.3	1.0	1.0
75-35-4	1,1-Dichloroethene	1	1.0	U	0.7	1.0	1.0
156-59-2	cis-1,2-Dichloroethene	1	0.5	U	0.3	0.5	1.0
156-60-5	trans-1,2-Dichloroethene	1	1.0	U	0.4	1.0	1.0
78-87-5	1,2-Dichloropropane	1	1.0	U	0.3	1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	1	0.5	U	0.4	0.5	0.5
10061-02-6	trans-1,3-Dichloropropene	1	0.5	U	0.3	0.5	0.5
100-41-4	Ethylbenzene	1	0.5	U	0.3	0.5	1.0
591-78-6	2-Hexanone (MBK)	1	2.0	U	0.5	2.0	2.0
98-82-8	Isopropylbenzene	1	1.0	U	0.4	1.0	1.0

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

1716331-BLK1

Laboratory: <u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG: <u>SC39221</u>
Client: <u>Tetra Tech, Inc. - Salem, NH</u>	Project: <u>WE15 Tank Farm 1 NAVSTA Newport</u>
Matrix: <u>Aqueous</u>	Laboratory ID: <u>1716331-BLK1</u>
	File ID: <u>BK70923A.D</u>
	Preparation: <u>SW846 5030 Water MS</u>
	Initial/Final: <u>5 ml / 5 ml</u>
Analyzed: <u>09/23/17 08:35</u>	Instrument: <u>HPV7</u>
Batch: <u>1716331</u>	Sequence: <u>S708472</u>
	Calibration: <u>1709039</u>

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	1	1.0	U	0.5	1.0	1.0
67-64-1	Acetone	1	2.0	U	0.8	2.0	10.0
71-43-2	Benzene	1	0.5	U	0.3	0.5	1.0
74-97-5	Bromochloromethane	1	1.0	U	0.3	1.0	1.0
75-27-4	Bromodichloromethane	1	0.5	U	0.4	0.5	0.5
75-25-2	Bromoform	1	1.0	U	0.4	1.0	1.0
74-83-9	Bromomethane	1	2.0	U	0.9	2.0	2.0
78-93-3	2-Butanone (MEK)	1	2.0	U	1.1	2.0	2.0
75-15-0	Carbon disulfide	1	1.0	U	0.4	1.0	2.0
56-23-5	Carbon tetrachloride	1	1.0	U	0.4	1.0	1.0
108-90-7	Chlorobenzene	1	0.5	U	0.2	0.5	1.0
75-00-3	Chloroethane	1	2.0	U	0.6	2.0	2.0
67-66-3	Chloroform	1	1.0	U	0.3	1.0	1.0
74-87-3	Chloromethane	1	1.0	U	0.4	1.0	2.0
96-12-8	1,2-Dibromo-3-chloropropane	1	2.0	U	0.9	2.0	2.0
124-48-1	Dibromochloromethane	1	0.5	U	0.3	0.5	0.5
106-93-4	1,2-Dibromoethane (EDB)	1	0.5	U	0.2	0.5	0.5
95-50-1	1,2-Dichlorobenzene	1	0.5	U	0.3	0.5	1.0
541-73-1	1,3-Dichlorobenzene	1	0.5	U	0.3	0.5	1.0
106-46-7	1,4-Dichlorobenzene	1	0.5	U	0.3	0.5	1.0
75-71-8	Dichlorodifluoromethane (Freon12)	1	2.0	U	0.6	2.0	2.0
75-34-3	1,1-Dichloroethane	1	1.0	U	0.3	1.0	1.0
107-06-2	1,2-Dichloroethane	1	1.0	U	0.3	1.0	1.0
75-35-4	1,1-Dichloroethene	1	1.0	U	0.7	1.0	1.0
156-59-2	cis-1,2-Dichloroethene	1	0.5	U	0.3	0.5	1.0
156-60-5	trans-1,2-Dichloroethene	1	1.0	U	0.4	1.0	1.0
78-87-5	1,2-Dichloropropane	1	1.0	U	0.3	1.0	1.0
10061-01-5	cis-1,3-Dichloropropene	1	0.5	U	0.4	0.5	0.5
10061-02-6	trans-1,3-Dichloropropene	1	0.5	U	0.3	0.5	0.5
100-41-4	Ethylbenzene	1	0.5	U	0.3	0.5	1.0
591-78-6	2-Hexanone (MBK)	1	2.0	U	0.5	2.0	2.0
98-82-8	Isopropylbenzene	1	1.0	U	0.4	1.0	1.0

FORM VIIIa - INTERNAL STANDARD AREA AND RT SUMMARY

SW846 8260C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708423

Instrument: HPV7

Matrix: Aqueous

Calibration: 1709039

Analyzed: 09/22/17 21:13

File ID: CCC0922B.D

	IS1 Area #	RT #	IS2 Area #	RT #	IS3 Area #	RT #	IS4 Area #	RT #	IS5 Area #	RT #	IS6 Area #	RT #
12-Hour Standard	593059	10.72	492681	8.38	1107029	4.98						
Upper Limit	1186118	11.22	985362	8.88	2214058	5.48						
Lower Limit	296530	10.22	246341	7.88	553515	4.48						
Sample ID												
Calibration Check (S708423-CCV2)	587460	10.718	485750	8.381	1110724	4.979						
Blank (1716238-BLK1)	469417	10.719	443051	8.382	1038506	4.979						
LCS (1716238-BS1)	588685	10.718	491556	8.381	1167326	4.979						
LCS Dup (1716238-BSD1)	588462	10.719	503867	8.382	1160210	4.979						
TF1-GT-117-091317 (SC39221-02)	502899	10.719	506429	8.382	1125012	4.979						
TF1-GT-108-091317 (SC39221-03)	476820	10.719	463435	8.382	1093968	4.979						
TF1-MW-1008-091317 (SC39221-04)	470765	10.718	445561	8.381	1065067	4.979						
TF1-DUP-04-091317 (SC39221-05)	476862	10.719	446798	8.382	1056353	4.979						

IS1 = 1,4-Dichlorobenzene-d4

IS2 = Chlorobenzene-d5

IS3 = Fluorobenzene

Column to be used to flag internal standard area values

* Values outside of QC limits

Area Upper Limit = 200% of internal standard area

Area Lower Limit = 50% of internal standard area

RT Limit = +/- 0.50

FORM VIIIa - INTERNAL STANDARD AREA AND RT SUMMARY

SW846 8260C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708472

Instrument: HPV7

Matrix: Aqueous

Calibration: 1709039

Analyzed: 09/23/17 09:04

File ID: CCC0923A.D

	IS1 Area #	RT #	IS2 Area #	RT #	IS3 Area #	RT #	IS4 Area #	RT #	IS5 Area #	RT #	IS6 Area #	RT #
12-Hour Standard	596342	10.72	482774	8.38	1115777	4.98						
Upper Limit	1192684	11.22	965548	8.88	2231554	5.48						
Lower Limit	298171	10.22	241387	7.88	557889	4.48						
Sample ID												
Calibration Check (S708472-CCV2)	583608	10.718	492566	8.381	1137920	4.979						
Blank (1716331-BLK1)	487200	10.719	463018	8.382	1095923	4.979						
LCS (1716331-BS1)	585590	10.719	494239	8.382	1159785	4.979						
LCS Dup (1716331-BSD1)	590737	10.719	512497	8.382	1164539	4.979						
Matrix Spike (1716331-MS1)	582253	10.718	470701	8.381	1096307	4.979						
Matrix Spike Dup (1716331-MSD1)	587995	10.719	488673	8.382	1109939	4.979						
TF1-MW-7-091317 (SC39221-06)	487681	10.724	461067	8.381	1091499	4.979						
TF1-TB-091317 (SC39221-08)	472628	10.718	441865	8.381	1074851	4.979						
TF1-GT-125-091317 (SC39221-09)	463375	10.719	427789	8.381	1014788	4.979						

IS1 = 1,4-Dichlorobenzene-d4

IS2 = Chlorobenzene-d5

IS3 = Fluorobenzene

Column to be used to flag internal standard area values

* Values outside of QC limits

Area Upper Limit = 200% of internal standard area

Area Lower Limit = 50% of internal standard area

RT Limit = +/- 0.50

Organic/FORM IX(Inorganic) - METHOD DETECTION AND REPORTING LIMITS**SW846 8260C****Laboratory:** Eurofins Spectrum Analytical, Inc. - MA**SDG:** SC39221**Client:** Tetra Tech, Inc. - Salem, NH**Project:** WE15 Tank Farm 1 NAVSTA Newport

Analyte	MDL	MRL	Units
1,1,2-Trichlorotrifluoroethane (Freon 11)	0.5	1.0	µg/l
Acetone	0.8	10.0	µg/l
Benzene	0.3	1.0	µg/l
Bromochloromethane	0.3	1.0	µg/l
Bromodichloromethane	0.4	0.5	µg/l
Bromoform	0.4	1.0	µg/l
Bromomethane	0.9	2.0	µg/l
2-Butanone (MEK)	1.1	2.0	µg/l
Carbon disulfide	0.4	2.0	µg/l
Carbon tetrachloride	0.4	1.0	µg/l
Chlorobenzene	0.2	1.0	µg/l
Chloroethane	0.6	2.0	µg/l
Chloroform	0.3	1.0	µg/l
Chloromethane	0.4	2.0	µg/l
1,2-Dibromo-3-chloropropane	0.9	2.0	µg/l
Dibromochloromethane	0.3	0.5	µg/l
1,2-Dibromoethane (EDB)	0.2	0.5	µg/l
1,2-Dichlorobenzene	0.3	1.0	µg/l
1,3-Dichlorobenzene	0.3	1.0	µg/l
1,4-Dichlorobenzene	0.3	1.0	µg/l
Dichlorodifluoromethane (Freon12)	0.6	2.0	µg/l
1,1-Dichloroethane	0.3	1.0	µg/l
1,2-Dichloroethane	0.3	1.0	µg/l
1,1-Dichloroethene	0.7	1.0	µg/l
cis-1,2-Dichloroethene	0.3	1.0	µg/l
trans-1,2-Dichloroethene	0.4	1.0	µg/l
1,2-Dichloropropane	0.3	1.0	µg/l
cis-1,3-Dichloropropene	0.4	0.5	µg/l
trans-1,3-Dichloropropene	0.3	0.5	µg/l
Ethylbenzene	0.3	1.0	µg/l
2-Hexanone (MBK)	0.5	2.0	µg/l
Isopropylbenzene	0.4	1.0	µg/l
Methyl tert-butyl ether	0.2	1.0	µg/l
4-Methyl-2-pentanone (MIBK)	0.5	2.0	µg/l
Methylene chloride	0.7	2.0	µg/l
Styrene	0.4	1.0	µg/l
1,1,2,2-Tetrachloroethane	0.3	0.5	µg/l
Tetrachloroethene	0.6	1.0	µg/l
Toluene	0.3	1.0	µg/l

Organic/FORM IX(Inorganic) - METHOD DETECTION AND REPORTING LIMITS

SW846 8260C

Laboratory: Eurofins Spectrum Analytical, Inc. - MASDG: SC39221Client: Tetra Tech, Inc. - Salem, NHProject: WE15 Tank Farm 1 NAVSTA Newport

Analyte	MDL	MRL	Units
1,2,3-Trichlorobenzene	0.4	1.0	µg/l
1,2,4-Trichlorobenzene	0.4	1.0	µg/l
1,1,1-Trichloroethane	0.5	1.0	µg/l
1,1,2-Trichloroethane	0.3	1.0	µg/l
Trichloroethene	0.5	1.0	µg/l
Trichlorofluoromethane (Freon 11)	0.5	1.0	µg/l
Vinyl chloride	0.5	1.0	µg/l
m,p-Xylene	0.4	2.0	µg/l
o-Xylene	0.3	1.0	µg/l
Cyclohexane	0.8	5.0	µg/l
Methyl acetate	0.6	5.0	µg/l
Methylcyclohexane	0.7	5.0	µg/l

**FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY**

SW846 8260C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708366

Instrument: HPV7

Calibration: 1709039

Sample Name	Lab Sample ID	Lab File ID	Analyzed
MS Tune	S708366-TUN1	VCAL000.D	09/16/17 15:56
Cal Standard	S708366-CAL1	DAPRTMTH-001	09/16/17 15:56
Low Cal Check	S708366-LCV1	VCAL000.D	09/16/17 15:56
Cal Standard	S708366-CAL2	DAPRTMTH-002	09/16/17 16:26
Low Cal Check	S708366-LCV2	VCAL001.D	09/16/17 16:26
Cal Standard	S708366-CAL3	DAPRTMTH-003	09/16/17 16:55
Cal Standard	S708366-CAL4	DAPRTMTH-004	09/16/17 17:24
Cal Standard	S708366-CAL5	DAPRTMTH-005	09/16/17 17:53
Cal Standard	S708366-CAL6	DAPRTMTH-006	09/16/17 18:22
Cal Standard	S708366-CAL7	DAPRTMTH-007	09/16/17 18:52
Cal Standard	S708366-CAL8	DAPRTMTH-008	09/16/17 19:50
Cal Standard	S708366-CAL9	DAPRTMTH-009	09/16/17 20:48
Cal Standard	S708366-CALA	DAPRTMTH-010	09/16/17 21:46
Cal Standard	S708366-CALB	DAPRTMTH-011	09/16/17 22:45
Initial Cal Check	S708366-ICV1	ICV0916A.D	09/16/17 23:43

**FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY**

SW846 8260C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708423

Instrument: HPV7

Calibration: 1709039

Sample Name	Lab Sample ID	Lab File ID	Analyzed
MS Tune	S708423-TUN1	BK70922D.D	09/22/17 20:44
Blank	1716238-BLK1	BK70922D.D	09/22/17 20:44
Calibration Check	S708423-CCV1	CCC0922B.D	09/22/17 21:13
LCS	1716238-BS1	LCS0922C.D	09/22/17 21:42
LCS Dup	1716238-BSD1	LCS0922D.D	09/22/17 22:11
TF1-GT-117-091317	SC39221-02	3922102.D	09/23/17 06:01
TF1-GT-108-091317	SC39221-03	3922103.D	09/23/17 06:30
TF1-MW-1008-091317	SC39221-04	3922104.D	09/23/17 06:59
TF1-DUP-04-091317	SC39221-05	3922105.D	09/23/17 07:28
Calibration Check	S708423-CCV2	CCC0922C.D	09/23/17 07:57

**FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY**

SW846 8260C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708472

Instrument: HPV7

Calibration: 1709039

Sample Name	Lab Sample ID	Lab File ID	Analyzed
MS Tune	S708472-TUN1	BK70923A.D	09/23/17 08:35
Blank	1716331-BLK1	BK70923A.D	09/23/17 08:35
Calibration Check	S708472-CCV1	CCC0923A.D	09/23/17 09:04
LCS	1716331-BS1	LCS0923A.D	09/23/17 09:33
LCS Dup	1716331-BSD1	LCS0923B.D	09/23/17 10:02
TF1-MW-7-091317	SC39221-06	3922106.D	09/23/17 11:05
TF1-TB-091317	SC39221-08	3922108.D	09/23/17 11:34
TF1-GT-125-091317	SC39221-09	3922109.D	09/23/17 12:03
TF1-MW-7-091317	1716331-MS1	3922106M.D	09/23/17 18:26
TF1-MW-7-091317	1716331-MSD1	3922106R.D	09/23/17 18:55
Calibration Check	S708472-CCV2	CCC0923B.D	09/23/17 19:24

SW846 8270D

CROSS REFERENCE TABLE

SW846 8270D

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Project Number: 112G08005-WE15

Client Sample ID:

Lab Sample ID:

TF1-GT-117-091317

SC39221-02

TF1-GT-108-091317

SC39221-03

TF1-MW-1008-091317

SC39221-04

TF1-DUP-04-091317

SC39221-05

TF1-MW-7-091317

SC39221-06

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport / 112G08005-WE15

SDG #: SC39221

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8270D.

IV. PREPARATION

Aqueous samples were prepared according to SW846 3510C.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8270D:

HPS5 details: Agilent 6890 with 5973 MS: Agilent HP-5MS (30M, 0.25mm, 0.25um)

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Surrogates:

All method criteria were met.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met with the following exceptions:

Chrysene, Fluorene, Phenanthrene in batch 1716100, samples 1716100-BS1, 1716100-BSD1: Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Anthracene, Benzo (a) anthracene, Benzo (b) fluoranthene, Benzo (g,h,i) perylene, Fluoranthene, Pyrene in batch 1716100, sample 1716100-BSD1: The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS/LCSD or SRM recoveries within the control limits.

In batch 1716100 BS/BSD:

Anthracene percent recoveries (57/52) are outside individual acceptance criteria (57-123), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

TF1-DUP-04-091317, TF1-GT-108-091317, TF1-GT-117-091317, TF1-MW-1008-091317, TF1-MW-7-091317

Benzo (a) anthracene percent recoveries (59/53) are outside individual acceptance criteria (58-125), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

TF1-DUP-04-091317, TF1-GT-108-091317, TF1-GT-117-091317, TF1-MW-1008-091317, TF1-MW-7-091317

Benzo (b) fluoranthene percent recoveries (60/52) are outside individual acceptance criteria (53-131), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

TF1-DUP-04-091317, TF1-GT-108-091317, TF1-GT-117-091317, TF1-MW-1008-091317, TF1-MW-7-091317

Benzo (g,h,i) perylene percent recoveries (59/49) are outside individual acceptance criteria (50-134), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

TF1-DUP-04-091317, TF1-GT-108-091317, TF1-GT-117-091317, TF1-MW-1008-091317, TF1-MW-7-091317

Chrysene percent recoveries (58/53) are outside individual acceptance criteria (59-123), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

TF1-DUP-04-091317, TF1-GT-108-091317, TF1-GT-117-091317, TF1-MW-1008-091317, TF1-MW-7-091317

Fluoranthene percent recoveries (59/50) are outside individual acceptance criteria (57-128), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

TF1-DUP-04-091317, TF1-GT-108-091317, TF1-GT-117-091317, TF1-MW-1008-091317, TF1-MW-7-091317

Fluorene percent recoveries (50/50) are outside individual acceptance criteria (52-124), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

TF1-DUP-04-091317, TF1-GT-108-091317, TF1-GT-117-091317, TF1-MW-1008-091317, TF1-MW-7-091317

Phenanthrene percent recoveries (54/50) are outside individual acceptance criteria (59-120), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

TF1-DUP-04-091317, TF1-GT-108-091317, TF1-GT-117-091317, TF1-MW-1008-091317, TF1-MW-7-091317

Pyrene percent recoveries (57/47) are outside individual acceptance criteria (57-126), but within overall method allowances. All reported results of the following samples are considered to have a potentially low bias:

TF1-DUP-04-091317, TF1-GT-108-091317, TF1-GT-117-091317, TF1-MW-1008-091317, TF1-MW-7-091317

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1716100 from source sample TF1-MW-7-091317 (SC39221-06).

All method criteria were met with the following exceptions:

Phenanthrene in batch 1716100, lab sample 1716100-MS1 from source sample TF1-MW-7-091317 (SC39221-06): Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Pyrene in batch 1716100, lab sample 1716100-MS1 from source sample TF1-MW-7-091317 (SC39221-06): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

Chrysene, Fluorene, Phenanthrene in batch 1716100, lab sample 1716100-MSD1 from source sample TF1-MW-7-091317 (SC39221-06): Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

Anthracene, Benzo (a) anthracene, Fluoranthene, Pyrene in batch 1716100, lab sample 1716100-MSD1 from source sample TF1-MW-7-091317 (SC39221-06): The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

E. Duplicates:

No client requested duplicate. However, the method criteria may have been fulfilled with non-SDG source samples.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met.

FORM II - SURROGATE STANDARD RECOVERY SUMMARY

SW846 8270D

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Spike ID: 1710218

Client ID	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	Total Out
Blank (1716100-BLK1)	53	54	69				0
LCS (1716100-BS1)	57	52	68				0
LCS Dup (1716100-BSD1)	52	48	59				0
Matrix Spike (1716100-MS1)	58	52	65				0
Matrix Spike Dup (1716100-MSD1)	52	46	63				0
TF1-GT-117-091317 (SC39221-02)	53	52	66				0
TF1-GT-108-091317 (SC39221-03)	58	53	69				0
TF1-MW-1008-091317 (SC39221-04)	52	49	64				0
TF1-DUP-04-091317 (SC39221-05)	62	60	74				0
TF1-MW-7-091317 (SC39221-06)	52	48	67				0

Control Limits

S1 = 2-Fluorobiphenyl

44 - 119

S2 = Nitrobenzene-d5

40 - 110

S3 = Terphenyl-dl4

50 - 134

Column to be used to flag recovery values

* Values outside of QC limits

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 8270D

Laboratory: Eurofins Spectrum Analytical, Inc. - MA
 Client: Tetra Tech, Inc. - Salem, NH
 Matrix: Aqueous
 Batch: 1716100
 Preparation: SW846 3510C
 Analyzed: 09/22/17 02:13

SDG: SC39221
 Project: WE15 Tank Farm 1 NAVSTA Newport
 Instrument: HPS5
 Laboratory ID: 1716100-BS1
 Initial/Final: 990 ml / 1 ml
 Spike ID: 17H0927
 File ID: BS716100.D

COMPOUND	SPIKE ADDED (µg/l)	LCS CONCENTRATION (µg/l)	LCS % REC. #	QC LIMITS REC.
Acenaphthene	50.5	25.8	51	47 - 122
Acenaphthylene	50.5	26.7	53	41 - 130
Anthracene	50.5	28.6	57	57 - 123
Benzo (a) anthracene	50.5	29.6	59	58 - 125
Benzo (a) pyrene	50.5	29.9	59	54 - 128
Benzo (b) fluoranthene	50.5	30.5	60	53 - 131
Benzo (g,h,i) perylene	50.5	29.9	59	50 - 134
Benzo (k) fluoranthene	50.5	32.6	65	57 - 129
Chrysene	50.5	29.2	58 *	59 - 123
Dibenzo (a,h) anthracene	50.5	33.2	66	51 - 134
Fluoranthene	50.5	29.7	59	57 - 128
Fluorene	50.5	25.2	50 *	52 - 124
Indeno (1,2,3-cd) pyrene	50.5	32.1	64	52 - 134
1-Methylnaphthalene	50.5	28.0	55	41 - 119
2-Methylnaphthalene	50.5	30.6	61	40 - 121
Naphthalene	50.5	25.0	49	40 - 121
Phenanthrene	50.5	27.4	54 *	59 - 120
Pyrene	50.5	28.9	57	57 - 126

File ID: BSD16100.D

COMPOUND	SPIKE ADDED (µg/l)	LCSD CONCENTRATION (µg/l)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Acenaphthene	50.5	24.7	49	5	20	47 - 122
Acenaphthylene	50.5	24.3	48	9	20	41 - 130
Anthracene	50.5	26.5	52 *	8	20	57 - 123
Benzo (a) anthracene	50.5	26.9	53 *	9	20	58 - 125
Benzo (a) pyrene	50.5	27.6	55	8	20	54 - 128
Benzo (b) fluoranthene	50.5	26.1	52 *	16	20	53 - 131
Benzo (g,h,i) perylene	50.5	24.7	49 *	19	20	50 - 134
Benzo (k) fluoranthene	50.5	29.3	58	11	20	57 - 129

FORM IIIa - LCS / LCS DUPLICATE RECOVERY
SW846 8270D

Laboratory: Eurofins Spectrum Analytical, Inc. - MA
 Client: Tetra Tech, Inc. - Salem, NH
 Matrix: Aqueous
 Batch: 1716100
 Preparation: SW846 3510C
 Analyzed: 09/22/17 02:44

SDG: SC39221
 Project: WE15 Tank Farm 1 NAVSTA Newport
 Instrument: HPS5
 Laboratory ID: 1716100-BSD1
 Initial/Final: 990 ml / 1 ml
 Spike ID: 17H0927
 File ID: BSD16100.D

COMPOUND	SPIKE ADDED (µg/l)	LCSD CONCENTRATION (µg/l)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Chrysene	50.5	26.7	53 *	9	20	59 - 123
Dibenzo (a,h) anthracene	50.5	27.7	55	18	20	51 - 134
Fluoranthene	50.5	25.0	50 *	17	20	57 - 128
Fluorene	50.5	25.1	50 *	0.04	20	52 - 124
Indeno (1,2,3-cd) pyrene	50.5	26.9	53	18	20	52 - 134
1-Methylnaphthalene	50.5	26.1	52	7	20	41 - 119
2-Methylnaphthalene	50.5	30.0	59	2	20	40 - 121
Naphthalene	50.5	22.5	45	10	20	40 - 121
Phenanthrene	50.5	25.1	50 *	9	20	59 - 120
Pyrene	50.5	23.7	47 *	20	20	57 - 126

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IIIb (Organic) / FORM V (Inorganic)
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

TF1-MW-7-091317

SW846 8270D

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Instrument: HPS5

Batch: 1716100

Laboratory ID: 1716100-MS1

Preparation: SW846 3510C

Initial/Final: 940 ml / 1 ml

Source Sample Name: TF1-MW-7-091317

% Solids:

Spike ID: 17H0927

File ID: 3922106M.D

COMPOUND	SPIKE ADDED (µg/l)	SAMPLE CONCENTRATION (µg/l)	MS CONCENTRATION (µg/l)	MS % REC. #	QC LIMITS REC.
Acenaphthene	53.2	BRL	29.1	55	47 - 122
Acenaphthylene	53.2	BRL	29.6	56	41 - 130
Anthracene	53.2	BRL	30.9	58	57 - 123
Benzo (a) anthracene	53.2	BRL	32.6	61	58 - 125
Benzo (a) pyrene	53.2	BRL	33.9	64	54 - 128
Benzo (b) fluoranthene	53.2	BRL	32.3	61	53 - 131
Benzo (g,h,i) perylene	53.2	BRL	31.3	59	50 - 134
Benzo (k) fluoranthene	53.2	BRL	34.0	64	57 - 129
Chrysene	53.2	BRL	31.9	60	59 - 123
Dibenzo (a,h) anthracene	53.2	BRL	34.4	65	51 - 134
Fluoranthene	53.2	BRL	30.3	57	57 - 128
Fluorene	53.2	BRL	29.5	55	52 - 124
Indeno (1,2,3-cd) pyrene	53.2	BRL	33.3	63	52 - 134
1-Methylnaphthalene	53.2	BRL	30.1	57	41 - 119
2-Methylnaphthalene	53.2	BRL	33.1	62	40 - 121
Naphthalene	53.2	BRL	26.5	50	40 - 121
Phenanthrene	53.2	BRL	30.7	58 *	59 - 120
Pyrene	53.2	BRL	29.4	55 *	57 - 126

File ID: 3922106S.D

COMPOUND	SPIKE ADDED (µg/l)	MSD CONCENTRATION (µg/l)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Acenaphthene	53.8	26.5	49	10	20	47 - 122
Acenaphthylene	53.8	26.5	49	11	20	41 - 130
Anthracene	53.8	29.0	54 *	6	20	57 - 123
Benzo (a) anthracene	53.8	29.3	54 *	11	20	58 - 125
Benzo (a) pyrene	53.8	32.2	60	5	20	54 - 128
Benzo (b) fluoranthene	53.8	33.8	63	4	20	53 - 131
Benzo (g,h,i) perylene	53.8	34.4	64	9	20	50 - 134
Benzo (k) fluoranthene	53.8	30.7	57	10	20	57 - 129

FORM IIIb (Organic) / FORM V (Inorganic)
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

TF1-MW-7-091317

SW846 8270D

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Instrument: HPS5

Batch: 1716100

Laboratory ID: 1716100-MSD1

Preparation: SW846 3510C

Initial/Final: 930 ml / 1 ml

Source Sample Name: TF1-MW-7-091317

% Solids:

Spike ID: 17H0927

File ID: 3922106S.D

COMPOUND	SPIKE ADDED (µg/l)	MSD CONCENTRATION (µg/l)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Chrysene	53.8	28.9	54 *	10	20	59 - 123
Dibenzo (a,h) anthracene	53.8	38.1	71	10	20	51 - 134
Fluoranthene	53.8	29.7	55 *	2	20	57 - 128
Fluorene	53.8	27.2	51 *	8	20	52 - 124
Indeno (1,2,3-cd) pyrene	53.8	37.3	69	12	20	52 - 134
1-Methylnaphthalene	53.8	27.7	51	8	20	41 - 119
2-Methylnaphthalene	53.8	29.9	56	10	20	40 - 121
Naphthalene	53.8	23.8	44	11	20	40 - 121
Phenanthrene	53.8	27.6	51 *	11	20	59 - 120
Pyrene	53.8	28.5	53 *	3	20	57 - 126

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM IV - METHOD BLANK SUMMARY
SW846 8270D

1716100-BLK1

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC39221</u>
Client:	<u>Tetra Tech, Inc. - Salem, NH</u>	Project:	<u>WE15 Tank Farm 1 NAVSTA Newport</u>
Matrix:	<u>Aqueous</u>	Laboratory ID:	<u>1716100-BLK1</u>
		Preparation:	<u>SW846 3510C</u>
Analyzed:	<u>09/22/17 01:41</u>	Instrument:	<u>HPS5</u>
Batch:	<u>1716100</u>	Sequence:	<u>S708552</u>
		File ID:	<u>BK716100.D</u>
		Initial/Final:	<u>980 ml / 1 ml</u>
		Calibration:	<u>1709033</u>

This method blank applies to the following sample analyses:

SAMPLE NO.	LAB SAMPLE ID	FILE ID	DATE ANALYZED	TIME ANALYZED
LCS	1716100-BS1	BS716100.D	09/22/17	2:13
LCS Dup	1716100-BSD1	BSD16100.D	09/22/17	2:44
TF1-GT-117-091317	SC39221-02	C3922102.D	09/22/17	3:16
TF1-GT-108-091317	SC39221-03	C3922103.D	09/22/17	3:48
TF1-MW-1008-091317	SC39221-04	C3922104.D	09/22/17	4:20
TF1-DUP-04-091317	SC39221-05	C3922105.D	09/22/17	4:52
TF1-MW-7-091317	SC39221-06	C3922106.D	09/22/17	5:24
Matrix Spike	1716100-MS1	3922106M.D	09/22/17	5:56
Matrix Spike Dup	1716100-MSD1	3922106S.D	09/22/17	6:27

FORM VIIIa - INTERNAL STANDARD AREA AND RT SUMMARY

SW846 8270D

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708552

Instrument: HPS5

Matrix: Aqueous

Calibration: 1709033

Analyzed: 09/21/17 21:27

File ID: SCT50921.D

	IS1 Area #	RT #	IS2 Area #	RT #	IS3 Area #	RT #	IS4 Area #	RT #	IS5 Area #	RT #	IS6 Area #	RT #
12-Hour Standard	1741321	7.71	3337684	12.93	3342369	5.52	3577131	15.33	3383679	9.48		
Upper Limit	3482642	8.21	6675368	13.43	6684738	6.02	7154262	15.83	6767358	9.98		
Lower Limit	870661	7.21	1668842	12.43	1671185	5.02	1788566	14.83	1691840	8.98		
Sample ID												
Calibration Check (S708552-CCV2)	2021511	7.711	3906100	12.94	3769878	5.517	4186050	15.34	3841106	9.481		
Blank (1716100-BLK1)	1781173	7.699	3468139	12.922	3549693	5.505	3690626	15.316	3366136	9.47		
LCS (1716100-BS1)	1746065	7.711	3482870	12.928	3348907	5.511	3488324	15.328	3306684	9.481		
LCS Dup (1716100-BSD1)	1835560	7.711	3756218	12.934	3350134	5.511	4060354	15.328	3499628	9.475		
Matrix Spike (1716100-MS1)	1855353	7.711	3702736	12.934	3542734	5.511	3971591	15.334	3485148	9.476		
Matrix Spike Dup (1716100-MSD1)	1851860	7.711	3725968	12.928	3551497	5.511	3572281	15.334	3521049	9.476		
TF1-GT-117-091317 (SC39221-02)	1474487	7.699	2864215	12.922	2938097	5.505	3331874	15.316	2823270	9.47		
TF1-GT-108-091317 (SC39221-03)	1567295	7.699	3178576	12.916	3169683	5.505	3364017	15.316	3021814	9.47		
TF1-MW-1008-091317 (SC39221-04)	1570790	7.699	3244434	12.916	3171268	5.505	3210594	15.316	3115264	9.47		
TF1-DUP-04-091317 (SC39221-05)	1529686	7.699	2918831	12.922	3054412	5.505	3005833	15.316	2939010	9.47		
TF1-MW-7-091317 (SC39221-06)	1400867	7.699	2724397	12.917	2850800	5.505	2749102	15.316	2693523	9.47		

IS1 = Acenaphthene-d10

IS2 = Chrysene-d12

IS3 = Naphthalene-d8

IS4 = Perylene-d12

IS5 = Phenanthrene-d10

Column to be used to flag internal standard area values

* Values outside of QC limits

Area Upper Limit = 200% of internal standard area

Area Lower Limit = 50% of internal standard area

RT Limit = +/- 0.50

Organic/FORM IX(Inorganic) - METHOD DETECTION AND REPORTING LIMITS**SW846 8270D****Laboratory:** Eurofins Spectrum Analytical, Inc. - MA**SDG:** SC39221**Client:** Tetra Tech, Inc. - Salem, NH**Project:** WE15 Tank Farm 1 NAVSTA Newport

Analyte	MDL	MRL	Units
Acenaphthene	0.691	5.00	µg/l
Acenaphthylene	0.683	5.00	µg/l
Anthracene	0.608	5.00	µg/l
Benzo (a) anthracene	0.536	5.00	µg/l
Benzo (a) pyrene	0.562	5.00	µg/l
Benzo (b) fluoranthene	0.437	5.00	µg/l
Benzo (g,h,i) perylene	0.530	5.00	µg/l
Benzo (k) fluoranthene	0.480	5.00	µg/l
Chrysene	0.532	5.00	µg/l
Dibenzo (a,h) anthracene	0.450	5.00	µg/l
Fluoranthene	0.638	5.00	µg/l
Fluorene	0.612	5.00	µg/l
Indeno (1,2,3-cd) pyrene	0.580	5.00	µg/l
1-Methylnaphthalene	0.733	5.00	µg/l
2-Methylnaphthalene	0.574	5.00	µg/l
Naphthalene	0.685	5.00	µg/l
Phenanthrene	0.586	5.00	µg/l
Pyrene	0.610	5.00	µg/l

**FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY**

SW846 8270D

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708282

Instrument: HPS5

Calibration: 1709033

Sample Name	Lab Sample ID	Lab File ID	Analyzed
MS Tune	S708282-TUN1	DFT50914.D	09/14/17 10:06
Cal Standard	S708282-CAL1	5914CAL1.D	09/14/17 10:37
Low Cal Check	S708282-LCV2	5914CAL1.D	09/14/17 10:37
Cal Standard	S708282-CAL2	5914CAL2.D	09/14/17 11:08
Cal Standard	S708282-CAL3	5914CAL3.D	09/14/17 11:39
Low Cal Check	S708282-LCV1	5914CAL3.D	09/14/17 11:39
Cal Standard	S708282-CAL4	5914CAL4.D	09/14/17 12:10
Cal Standard	S708282-CAL5	5914CAL5.D	09/14/17 12:41
Cal Standard	S708282-CAL6	5914CAL6.D	09/14/17 13:12
Cal Standard	S708282-CAL7	5914CAL7.D	09/14/17 13:44
Cal Standard	S708282-CAL8	5914CAL8.D	09/14/17 14:15
Cal Standard	S708282-CAL9	5914CAL9.D	09/14/17 14:46
Cal Standard	S708282-CALA	5914CAL0.D	09/14/17 15:17
Initial Cal Check	S708282-ICV1	5914ICV.D	09/14/17 16:51

**FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY**

SW846 8270D

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708552

Instrument: HPS5

Calibration: 1709033

Sample Name	Lab Sample ID	Lab File ID	Analyzed
MS Tune	S708552-TUN1	DFT50921.D	09/21/17 20:56
Calibration Check	S708552-CCV1	SCT50921.D	09/21/17 21:27
Blank	1716100-BLK1	BK716100.D	09/22/17 01:41
LCS	1716100-BS1	BS716100.D	09/22/17 02:13
LCS Dup	1716100-BSD1	BSD16100.D	09/22/17 02:44
TF1-GT-117-091317	SC39221-02	C3922102.D	09/22/17 03:16
TF1-GT-108-091317	SC39221-03	C3922103.D	09/22/17 03:48
TF1-MW-1008-091317	SC39221-04	C3922104.D	09/22/17 04:20
TF1-DUP-04-091317	SC39221-05	C3922105.D	09/22/17 04:52
TF1-MW-7-091317	SC39221-06	C3922106.D	09/22/17 05:24
TF1-MW-7-091317	1716100-MS1	3922106M.D	09/22/17 05:56
TF1-MW-7-091317	1716100-MSD1	3922106S.D	09/22/17 06:27
Calibration Check	S708552-CCV2	SCE50921.D	09/22/17 06:59

SW846 8081B

CROSS REFERENCE TABLE

SW846 8081B

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112G08005-WE15

Client Sample ID:	Lab Sample ID:
<u>TF1-GZ-106-091317</u>	<u>SC39221-01</u>
<u>TF1-GT-117-091317</u>	<u>SC39221-02</u>
<u>TF1-GT-108-091317</u>	<u>SC39221-03</u>
<u>TF1-MW-1008-091317</u>	<u>SC39221-04</u>
<u>TF1-DUP-04-091317</u>	<u>SC39221-05</u>
<u>TF1-MW-7-091317</u>	<u>SC39221-06</u>

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport / 112G08005-WE15

SDG #: SC39221

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8081B.

IV. PREPARATION

Aqueous samples were prepared according to SW846 3510C.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8081B:

HPS17 details: Agilent 6890 series dual column ECD GC with RTX-CLPesticides (30m, 0.53mmID, 0.5um df) & RTX-CLPesticides2 Column (30m, 0.53mmID, 0.42um df)

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Surrogates:

All method criteria were met with the following exceptions:

4,4-DB-Octafluorobiphenyl (Sr) in batch 1715920, sample TF1-MW-7-091317 (SC39221-06): Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1715920 from source sample TF1-MW-7-091317 (SC39221-06).

All method criteria were met.

E. Duplicates:

No client requested duplicate. However, the method criteria may have been fulfilled with non-SDG source samples.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met.

FORM II - SURROGATE STANDARD RECOVERY SUMMARY

SW846 8081B

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Spike ID: 1710082

Client ID	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	Total Out
Blank (1715920-BLK1)	106	112	99	82			0
LCS (1715920-BS1)	97	100	90	72			0
LCS Dup (1715920-BSD1)	94	101	104	73			0
Matrix Spike (1715920-MS2)	115	123	80	73			0
Matrix Spike Dup (1715920-MSD2)	112	119	79	72			0
Instrument Blank (S708605-IBL1)	90	93	100	93			0
Instrument Blank (S708605-IBL2)	90	94	94	96			0
Instrument Blank (S708605-IBL3)	90	92	98	100			0
Instrument Blank (S708605-IBL4)	87	93	98	99			0
TF1-GZ-106-091317 (SC39221-01)	67	80	102	74			0
TF1-GT-117-091317 (SC39221-02)	81	89	78	69			0
TF1-GT-108-091317 (SC39221-03)	82	92	87	82			0
TF1-MW-1008-091317 (SC39221-04)	93	101	80	75			0
TF1-DUP-04-091317 (SC39221-05)	92	104	90	76			0
TF1-MW-7-091317 (SC39221-06)	26 *	42	59	51			1

Control Limits

S1 = 4,4-DB-Octafluorobiphenyl (Sr) 30 - 150
 S2 = 4,4-DB-Octafluorobiphenyl (Sr) [2C] 30 - 150
 S3 = Decachlorobiphenyl (Sr) 30 - 135
 S4 = Decachlorobiphenyl (Sr) [2C] 30 - 135

Column to be used to flag recovery values

* Values outside of QC limits

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 8081B

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Instrument: HPS17

Batch: 1715920

Laboratory ID: 1715920-BS1

Preparation: SW846 3510C

Initial/Final: 980 ml / 10 ml

Analyzed: 09/27/17 19:48

Spike ID: 17I0075

File ID: L1170927.D

COMPOUND	SPIKE ADDED (µg/l)	LCS CONCENTRATION (µg/l)	LCS % REC. #	QC LIMITS REC.
alpha-BHC	0.510	0.403	79	54 - 138
alpha-BHC [2C]	0.510	0.409	80	54 - 138
beta-BHC	0.510	0.426	83	56 - 136
beta-BHC [2C]	0.510	0.472	93	56 - 136
delta-BHC	0.510	0.420	82	52 - 142
delta-BHC [2C]	0.510	0.432	85	52 - 142
gamma-BHC (Lindane)	0.510	0.393	77	59 - 134
gamma-BHC (Lindane) [2C]	0.510	0.415	81	59 - 134
Heptachlor	0.510	0.407	80	54 - 130
Heptachlor [2C]	0.510	0.460	90	54 - 130
Aldrin	0.510	0.402	79	45 - 134
Aldrin [2C]	0.510	0.393	77	45 - 134
Heptachlor epoxide	0.510	0.402	79	61 - 133
Heptachlor epoxide [2C]	0.510	0.403	79	61 - 133
Endosulfan I	0.510	0.412	81	62 - 126
Endosulfan I [2C]	0.510	0.447	88	62 - 126
Dieldrin	0.510	0.399	78	60 - 136
Dieldrin [2C]	0.510	0.390	76	60 - 136
4,4'-DDE (p,p')	0.510	0.389	76	57 - 135
4,4'-DDE (p,p') [2C]	0.510	0.386	76	57 - 135
Endrin	0.510	0.485	95	60 - 138
Endrin [2C]	0.510	0.497	98	60 - 138
Endosulfan II	0.510	0.410	80	52 - 135
Endosulfan II [2C]	0.510	0.489	96	52 - 135
4,4'-DDD (p,p')	0.510	0.410	80	56 - 143
4,4'-DDD (p,p') [2C]	0.510	0.474	93	56 - 143
Endosulfan sulfate	0.510	0.418	82	62 - 133
Endosulfan sulfate [2C]	0.510	0.489	96	62 - 133
4,4'-DDT (p,p')	0.510	0.273	54	51 - 143
4,4'-DDT (p,p') [2C]	0.510	0.397	78	51 - 143

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 8081B

Laboratory: <u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG: <u>SC39221</u>
Client: <u>Tetra Tech, Inc. - Salem, NH</u>	Project: <u>WE15 Tank Farm 1 NAVSTA Newport</u>
Matrix: <u>Aqueous</u>	Instrument: <u>HPS17</u>
Batch: <u>1715920</u>	Laboratory ID: <u>1715920-BS1</u>
Preparation: <u>SW846 3510C</u>	Initial/Final: <u>980 ml / 10 ml</u>
Analyzed: <u>09/27/17 19:48</u>	Spike ID: <u>17I0075</u>
	File ID: <u>L1170927.D</u>

COMPOUND	SPIKE ADDED (µg/l)	LCS CONCENTRATION (µg/l)	LCS % REC. #	QC LIMITS REC.
Methoxychlor	0.510	0.392	77	54 - 145
Methoxychlor [2C]	0.510	0.438	86	54 - 145
Endrin ketone	0.510	0.347	68	58 - 134
Endrin ketone [2C]	0.510	0.423	83	58 - 134
Endrin aldehyde	0.510	0.437	86	51 - 132
Endrin aldehyde [2C]	0.510	0.503	99	51 - 132
alpha-Chlordane	0.510	0.417	82	60 - 129
alpha-Chlordane [2C]	0.510	0.421	83	60 - 129
Chlordane (gamma)(trans)	0.510	0.431	85	56 - 136
Chlordane (gamma)(trans) [2C]	0.510	0.418	82	56 - 136
Alachlor	0.510	0.453	89	40 - 140
Alachlor [2C]	0.510	0.453	89	40 - 140

File ID: L2170927.D

COMPOUND	SPIKE ADDED (µg/l)	LCSD CONCENTRATION (µg/l)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
alpha-BHC	0.510	0.378	74	6	20	54 - 138
alpha-BHC [2C]	0.510	0.393	77	4	20	54 - 138
beta-BHC	0.510	0.390	76	9	20	56 - 136
beta-BHC [2C]	0.510	0.446	87	6	20	56 - 136
delta-BHC	0.510	0.369	72	13	20	52 - 142
delta-BHC [2C]	0.510	0.406	80	6	20	52 - 142
gamma-BHC (Lindane)	0.510	0.368	72	7	20	59 - 134
gamma-BHC (Lindane) [2C]	0.510	0.402	79	3	20	59 - 134
Heptachlor	0.510	0.380	75	7	20	54 - 130
Heptachlor [2C]	0.510	0.451	88	2	20	54 - 130
Aldrin	0.510	0.381	75	5	20	45 - 134
Aldrin [2C]	0.510	0.383	75	2	20	45 - 134
Heptachlor epoxide	0.510	0.384	75	5	20	61 - 133
Heptachlor epoxide [2C]	0.510	0.395	77	2	20	61 - 133

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 8081B

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Instrument: HPS17

Batch: 1715920

Laboratory ID: 1715920-BSD1

Preparation: SW846 3510C

Initial/Final: 980 ml / 10 ml

Analyzed: 09/27/17 20:07

Spike ID: 17I0075

File ID: L2170927.D

COMPOUND	SPIKE ADDED (µg/l)	LCSD CONCENTRATION (µg/l)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Endosulfan I	0.510	0.396	78	4	20	62 - 126
Endosulfan I [2C]	0.510	0.432	85	4	20	62 - 126
Dieldrin	0.510	0.387	76	3	20	60 - 136
Dieldrin [2C]	0.510	0.385	75	1	20	60 - 136
4,4'-DDE (p,p')	0.510	0.380	74	2	20	57 - 135
4,4'-DDE (p,p') [2C]	0.510	0.371	73	4	20	57 - 135
Endrin	0.510	0.470	92	3	20	60 - 138
Endrin [2C]	0.510	0.475	93	5	20	60 - 138
Endosulfan II	0.510	0.413	81	0.7	20	52 - 135
Endosulfan II [2C]	0.510	0.469	92	4	20	52 - 135
4,4'-DDD (p,p')	0.510	0.406	80	0.9	20	56 - 143
4,4'-DDD (p,p') [2C]	0.510	0.480	94	1	20	56 - 143
Endosulfan sulfate	0.510	0.402	79	4	20	62 - 133
Endosulfan sulfate [2C]	0.510	0.493	97	0.8	20	62 - 133
4,4'-DDT (p,p')	0.510	0.266	52	3	20	51 - 143
4,4'-DDT (p,p') [2C]	0.510	0.345	68	14	20	51 - 143
Methoxychlor	0.510	0.375	73	4	20	54 - 145
Methoxychlor [2C]	0.510	0.387	76	12	20	54 - 145
Endrin ketone	0.510	0.338	66	3	20	58 - 134
Endrin ketone [2C]	0.510	0.405	79	4	20	58 - 134
Endrin aldehyde	0.510	0.425	83	3	20	51 - 132
Endrin aldehyde [2C]	0.510	0.489	96	3	20	51 - 132
alpha-Chlordane	0.510	0.397	78	5	20	60 - 129
alpha-Chlordane [2C]	0.510	0.417	82	1	20	60 - 129
Chlordane (gamma)(trans)	0.510	0.417	82	3	20	56 - 136
Chlordane (gamma)(trans) [2C]	0.510	0.411	81	2	20	56 - 136
Alachlor	0.510	0.414	81	9	20	40 - 140
Alachlor [2C]	0.510	0.482	94	6	20	40 - 140

FORM IIIb (Organic) / FORM V (Inorganic)
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

TF1-MW-7-091317

SW846 8081B

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Instrument: HPS17

Batch: 1715920

Laboratory ID: 1715920-MS2

Preparation: SW846 3510C

Initial/Final: 920 ml / 10 ml

Source Sample Name: TF1-MW-7-091317

% Solids:

Spike ID: 17I0075

File ID: M2170927.D

COMPOUND	SPIKE ADDED (µg/l)	SAMPLE CONCENTRATION (µg/l)	MS CONCENTRATION (µg/l)	MS % REC. #	QC LIMITS REC.
alpha-BHC	0.543	BRL	0.386	71	54 - 138
alpha-BHC [2C]	0.543	BRL	0.410	75	54 - 138
beta-BHC	0.543	BRL	0.450	83	56 - 136
beta-BHC [2C]	0.543	BRL	0.517	95	56 - 136
delta-BHC	0.543	BRL	0.438	81	52 - 142
delta-BHC [2C]	0.543	BRL	0.494	91	52 - 142
gamma-BHC (Lindane)	0.543	BRL	0.398	73	59 - 134
gamma-BHC (Lindane) [2C]	0.543	BRL	0.433	80	59 - 134
Heptachlor	0.543	BRL	0.370	68	54 - 130
Heptachlor [2C]	0.543	BRL	0.435	80	54 - 130
Aldrin	0.543	BRL	0.359	66	45 - 134
Aldrin [2C]	0.543	BRL	0.349	64	45 - 134
Heptachlor epoxide	0.543	BRL	0.438	81	61 - 133
Heptachlor epoxide [2C]	0.543	BRL	0.444	82	61 - 133
Endosulfan I	0.543	BRL	0.455	84	62 - 126
Endosulfan I [2C]	0.543	BRL	0.490	90	62 - 126
Dieldrin	0.543	BRL	0.473	87	60 - 136
Dieldrin [2C]	0.543	BRL	0.440	81	60 - 136
4,4'-DDE (p,p')	0.543	BRL	0.443	82	57 - 135
4,4'-DDE (p,p') [2C]	0.543	BRL	0.420	77	57 - 135
Endrin	0.543	BRL	0.570	105	60 - 138
Endrin [2C]	0.543	BRL	0.546	101	60 - 138
Endosulfan II	0.543	BRL	0.485	89	52 - 135
Endosulfan II [2C]	0.543	BRL	0.534	98	52 - 135
4,4'-DDD (p,p')	0.543	BRL	0.503	92	56 - 143
4,4'-DDD (p,p') [2C]	0.543	BRL	0.526	97	56 - 143
Endosulfan sulfate	0.543	BRL	0.501	92	62 - 133
Endosulfan sulfate [2C]	0.543	BRL	0.580	107	62 - 133
4,4'-DDT (p,p')	0.543	BRL	0.403	74	51 - 143
4,4'-DDT (p,p') [2C]	0.543	BRL	0.420	77	51 - 143

FORM IIIb (Organic) / FORM V (Inorganic)
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

TF1-MW-7-091317

SW846 8081B

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Instrument: HPS17

Batch: 1715920

Laboratory ID: 1715920-MS2

Preparation: SW846 3510C

Initial/Final: 920 ml / 10 ml

Source Sample Name: TF1-MW-7-091317

% Solids:

Spike ID: 17I0075

File ID: M2170927.D

COMPOUND	SPIKE ADDED (µg/l)	SAMPLE CONCENTRATION (µg/l)	MS CONCENTRATION (µg/l)	MS % REC. #	QC LIMITS REC.
Methoxychlor	0.543	BRL	0.501	92	54 - 145
Methoxychlor [2C]	0.543	BRL	0.469	86	54 - 145
Endrin ketone	0.543	BRL	0.431	79	58 - 134
Endrin ketone [2C]	0.543	BRL	0.500	92	58 - 134
Endrin aldehyde	0.543	BRL	0.531	98	51 - 132
Endrin aldehyde [2C]	0.543	BRL	0.535	98	51 - 132
alpha-Chlordane	0.543	BRL	0.452	83	60 - 129
alpha-Chlordane [2C]	0.543	BRL	0.467	86	60 - 129
Chlordane (gamma)(trans)	0.543	BRL	0.463	85	56 - 136
Chlordane (gamma)(trans) [2C]	0.543	BRL	0.461	85	56 - 136
Alachlor	0.543	BRL	0.528	97	30 - 150
Alachlor [2C]	0.543	BRL	0.523	96	30 - 150

File ID: M4170927.D

COMPOUND	SPIKE ADDED (µg/l)	MSD CONCENTRATION (µg/l)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
alpha-BHC	0.526	0.355	67	8	20	54 - 138
alpha-BHC [2C]	0.526	0.377	72	8	20	54 - 138
beta-BHC	0.526	0.421	80	7	20	56 - 136
beta-BHC [2C]	0.526	0.478	91	8	20	56 - 136
delta-BHC	0.526	0.397	75	10	20	52 - 142
delta-BHC [2C]	0.526	0.445	85	10	20	52 - 142
gamma-BHC (Lindane)	0.526	0.366	70	8	20	59 - 134
gamma-BHC (Lindane) [2C]	0.526	0.400	76	8	20	59 - 134
Heptachlor	0.526	0.336	64	10	20	54 - 130
Heptachlor [2C]	0.526	0.404	77	7	20	54 - 130
Aldrin	0.526	0.336	64	7	20	45 - 134
Aldrin [2C]	0.526	0.327	62	6	20	45 - 134
Heptachlor epoxide	0.526	0.390	74	12	20	61 - 133
Heptachlor epoxide [2C]	0.526	0.404	77	9	20	61 - 133

FORM IIIb (Organic) / FORM V (Inorganic)
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

TF1-MW-7-091317

SW846 8081B

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Instrument: HPS17

Batch: 1715920

Laboratory ID: 1715920-MSD2

Preparation: SW846 3510C

Initial/Final: 950 ml / 10 ml

Source Sample Name: TF1-MW-7-091317

% Solids:

Spike ID: 17I0075

File ID: M4170927.D

COMPOUND	SPIKE ADDED (µg/l)	MSD CONCENTRATION (µg/l)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Endosulfan I	0.526	0.408	78	11	20	62 - 126
Endosulfan I [2C]	0.526	0.447	85	9	20	62 - 126
Dieldrin	0.526	0.397	75	17	20	60 - 136
Dieldrin [2C]	0.526	0.399	76	10	20	60 - 136
4,4'-DDE (p,p')	0.526	0.392	75	12	20	57 - 135
4,4'-DDE (p,p') [2C]	0.526	0.385	73	8	20	57 - 135
Endrin	0.526	0.511	97	11	20	60 - 138
Endrin [2C]	0.526	0.496	94	10	20	60 - 138
Endosulfan II	0.526	0.464	88	4	20	52 - 135
Endosulfan II [2C]	0.526	0.489	93	9	20	52 - 135
4,4'-DDD (p,p')	0.526	0.462	88	8	20	56 - 143
4,4'-DDD (p,p') [2C]	0.526	0.491	93	7	20	56 - 143
Endosulfan sulfate	0.526	0.449	85	11	20	62 - 133
Endosulfan sulfate [2C]	0.526	0.525	100	10	20	62 - 133
4,4'-DDT (p,p')	0.526	0.381	72	6	20	51 - 143
4,4'-DDT (p,p') [2C]	0.526	0.405	77	4	20	51 - 143
Methoxychlor	0.526	0.465	88	7	20	54 - 145
Methoxychlor [2C]	0.526	0.433	82	8	20	54 - 145
Endrin ketone	0.526	0.377	72	13	20	58 - 134
Endrin ketone [2C]	0.526	0.451	86	10	20	58 - 134
Endrin aldehyde	0.526	0.513	97	4	20	51 - 132
Endrin aldehyde [2C]	0.526	0.500	95	7	20	51 - 132
alpha-Chlordane	0.526	0.407	77	10	20	60 - 129
alpha-Chlordane [2C]	0.526	0.428	81	9	20	60 - 129
Chlordane (gamma)(trans)	0.526	0.422	80	9	20	56 - 136
Chlordane (gamma)(trans) [2C]	0.526	0.418	79	10	20	56 - 136
Alachlor	0.526	0.478	91	10	20	30 - 150
Alachlor [2C]	0.526	0.489	93	7	20	30 - 150

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM I - ANALYSIS DATA SHEET
SW846 8081B

1715920-BLK1

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Matrix: Aqueous Laboratory ID: 1715920-BLK1 File ID: B1170927.D
 Preparation: SW846 3510C Initial/Final: 970 ml / 10 ml
 Analyzed: 09/27/17 19:29 Instrument: HPS17
 Batch: 1715920 Sequence: S708605 Calibration: 1709047

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
319-84-6	alpha-BHC	1	0.021	U	0.012	0.021	0.021
319-84-6	alpha-BHC [2C]	1	0.021	U	0.018	0.021	0.021
319-85-7	beta-BHC	1	0.021	U	0.015	0.021	0.021
319-85-7	beta-BHC [2C]	1	0.021	U	0.020	0.021	0.021
319-86-8	delta-BHC	1	0.021	U	0.016	0.021	0.021
319-86-8	delta-BHC [2C]	1	0.021	U	0.020	0.021	0.021
58-89-9	gamma-BHC (Lindane)	1	0.021	U	0.018	0.021	0.021
58-89-9	gamma-BHC (Lindane) [2C]	1	0.021	U	0.018	0.021	0.021
76-44-8	Heptachlor	1	0.021	U	0.020	0.021	0.021
76-44-8	Heptachlor [2C]	1	0.021	U	0.020	0.021	0.021
309-00-2	Aldrin	1	0.021	U	0.016	0.021	0.021
309-00-2	Aldrin [2C]	1	0.021	U	0.019	0.021	0.021
1024-57-3	Heptachlor epoxide	1	0.021	U	0.016	0.021	0.021
1024-57-3	Heptachlor epoxide [2C]	1	0.021	U	0.015	0.021	0.021
959-98-8	Endosulfan I	1	0.021	U	0.017	0.021	0.021
959-98-8	Endosulfan I [2C]	1	0.021	U	0.016	0.021	0.021
60-57-1	Dieldrin	1	0.021	U	0.018	0.021	0.021
60-57-1	Dieldrin [2C]	1	0.021	U	0.019	0.021	0.021
72-55-9	4,4'-DDE (p,p')	1	0.021	U	0.018	0.021	0.021
72-55-9	4,4'-DDE (p,p') [2C]	1	0.021	U	0.018	0.021	0.021
72-20-8	Endrin	1	0.021	U	0.020	0.021	0.041
72-20-8	Endrin [2C]	1	0.021	U	0.020	0.021	0.041
33213-65-9	Endosulfan II	1	0.021	U	0.021	0.021	0.041
33213-65-9	Endosulfan II [2C]	1	0.021	U	0.016	0.021	0.041
72-54-8	4,4'-DDD (p,p')	1	0.021	U	0.019	0.021	0.041
72-54-8	4,4'-DDD (p,p') [2C]	1	0.021	U	0.018	0.021	0.041
1031-07-8	Endosulfan sulfate	1	0.021	U	0.020	0.021	0.041
1031-07-8	Endosulfan sulfate [2C]	1	0.021	U	0.017	0.021	0.041
50-29-3	4,4'-DDT (p,p')	1	0.031	U	0.018	0.031	0.041
50-29-3	4,4'-DDT (p,p') [2C]	1	0.031	U	0.022	0.031	0.041
72-43-5	Methoxychlor	1	0.021	U	0.019	0.021	0.041
72-43-5	Methoxychlor [2C]	1	0.021	U	0.019	0.021	0.041

FORM VIIIa - INTERNAL STANDARD AREA AND RT SUMMARY

SW846 8081B

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708605

Instrument: HPS17

Matrix: Aqueous

Calibration: 1709047

Analyzed: 09/27/17 18:15

File ID: C1170927.D

	IS1 Area #	RT #	IS2 Area #	RT #	IS3 Area #	RT #	IS4 Area #	RT #	IS5 Area #	RT #	IS6 Area #	RT #
12-Hour Standard	16792740	3.15	28827860	2.85								
Upper Limit	33585480	3.65	57655720	3.35								
Lower Limit	8396370	2.65	14413930	2.35								
Sample ID												
Calibration Check (S708605-CCV2)	16137720	3.15	27865700	2.85								
Calibration Check (S708605-CCV3)	16260210	3.15	26757370	2.86								
Calibration Check (S708605-CCV4)	26618120	3.15	45403790	2.85								
Calibration Check (S708605-CCV5)	18738820	3.15	33455530	2.85								
Calibration Check (S708605-CCV6)	18907300	3.15	34465360	2.85								
Calibration Check (S708605-CCV7)	19012080	3.11	30408840	2.82								
Calibration Check (S708605-CCV8)	17794030	3.11	26298860	2.82								
Blank (1715920-BLK1)	13224070	3.15	23649140	2.85								
LCS (1715920-BS1)	15053420	3.15	26976430	2.85								
LCS Dup (1715920-BSD1)	14466870	3.15	24752160	2.86								
Matrix Spike (1715920-MS2)	13781950	3.15	23622910	2.86								
Matrix Spike Dup (1715920-MSD2)	15490060	3.15	25007850	2.86								
Instrument Blank (S708605-IBL1)	18564200	3.15	32010740	2.85								
Instrument Blank (S708605-IBL2)	18647850	3.15	31099660	2.85								
Instrument Blank (S708605-IBL3)	23378750	3.15	41137110	2.85								
Instrument Blank (S708605-IBL4)	16109810	3.15	27763930	2.85								
Performance Mix (S708605-PEM1)	32163570	3.15	54004890	2.85								
Performance Mix (S708605-PEM2)	15462740	3.12	25750680	2.83								
Performance Mix (S708605-PEM3)	15808020	3.11	26992710	2.83								
Performance Mix (S708605-PEM4)	15919540	3.11	27845220	2.83								
TF1-GZ-106-091317 (SC39221-01)	17050250	3.15	28827370	2.85								
TF1-GT-117-091317 (SC39221-02)	15543570	3.15	27258910	2.85								
TF1-GT-108-091317 (SC39221-03)	15177550	3.15	25932730	2.84								
TF1-MW-1008-091317 (SC39221-04)	15599090	3.15	28214520	2.85								
TF1-DUP-04-091317 (SC39221-05)	15357810	3.15	27267400	2.85								
TF1-MW-7-091317 (SC39221-06)	16212870	3.15	26403500	2.86								

IS1 = 2,4,5,6-TC-M-Xylene (IS)

IS2 = 2,4,5,6-TC-M-Xylene (IS) [2C]

Organic/FORM IX(Inorganic) - METHOD DETECTION AND REPORTING LIMITS**SW846 8081B****Laboratory:** Eurofins Spectrum Analytical, Inc. - MA**SDG:** SC39221**Client:** Tetra Tech, Inc. - Salem, NH**Project:** WE15 Tank Farm 1 NAVSTA Newport

Analyte	MDL	MRL	Units
alpha-BHC	0.012	0.020	µg/l
alpha-BHC [2C]	0.018	0.020	µg/l
beta-BHC	0.015	0.020	µg/l
beta-BHC [2C]	0.019	0.020	µg/l
delta-BHC	0.015	0.020	µg/l
delta-BHC [2C]	0.019	0.020	µg/l
gamma-BHC (Lindane)	0.017	0.020	µg/l
gamma-BHC (Lindane) [2C]	0.018	0.020	µg/l
Heptachlor	0.020	0.020	µg/l
Heptachlor [2C]	0.020	0.020	µg/l
Aldrin	0.016	0.020	µg/l
Aldrin [2C]	0.019	0.020	µg/l
Heptachlor epoxide	0.015	0.020	µg/l
Heptachlor epoxide [2C]	0.015	0.020	µg/l
Endosulfan I	0.016	0.020	µg/l
Endosulfan I [2C]	0.016	0.020	µg/l
Dieldrin	0.017	0.020	µg/l
Dieldrin [2C]	0.019	0.020	µg/l
4,4'-DDE (p,p')	0.018	0.020	µg/l
4,4'-DDE (p,p') [2C]	0.018	0.020	µg/l
Endrin	0.019	0.040	µg/l
Endrin [2C]	0.019	0.040	µg/l
Endosulfan II	0.020	0.040	µg/l
Endosulfan II [2C]	0.016	0.040	µg/l
4,4'-DDD (p,p')	0.019	0.040	µg/l
4,4'-DDD (p,p') [2C]	0.017	0.040	µg/l
Endosulfan sulfate	0.020	0.040	µg/l
Endosulfan sulfate [2C]	0.017	0.040	µg/l
4,4'-DDT (p,p')	0.018	0.040	µg/l
4,4'-DDT (p,p') [2C]	0.022	0.040	µg/l
Methoxychlor	0.018	0.040	µg/l
Methoxychlor [2C]	0.018	0.040	µg/l
Endrin ketone	0.017	0.040	µg/l
Endrin ketone [2C]	0.018	0.040	µg/l
Endrin aldehyde	0.019	0.040	µg/l
Endrin aldehyde [2C]	0.018	0.040	µg/l
alpha-Chlordane	0.015	0.020	µg/l
alpha-Chlordane [2C]	0.017	0.020	µg/l
Chlordane (gamma)(trans)	0.016	0.020	µg/l

Organic/FORM IX(Inorganic) - METHOD DETECTION AND REPORTING LIMITS**SW846 8081B****Laboratory:** Eurofins Spectrum Analytical, Inc. - MA**SDG:** SC39221**Client:** Tetra Tech, Inc. - Salem, NH**Project:** WE15 Tank Farm 1 NAVSTA Newport

Analyte	MDL	MRL	Units
Chlordane (gamma)(trans) [2C]	0.014	0.020	µg/l
Toxaphene	0.328	0.500	µg/l
Toxaphene [2C]	0.287	0.500	µg/l
Toxaphene (1)	0.328	0.500	µg/l
Toxaphene (1) [2C]	0.287	0.500	µg/l
Toxaphene (2)	0.328	0.500	µg/l
Toxaphene (2) [2C]	0.287	0.500	µg/l
Toxaphene (3)	0.328	0.500	µg/l
Toxaphene (3) [2C]	0.287	0.500	µg/l
Toxaphene (4)	0.328	0.500	µg/l
Toxaphene (4) [2C]	0.287	0.500	µg/l
Toxaphene (5)	0.328	0.500	µg/l
Toxaphene (5) [2C]	0.287	0.500	µg/l
Chlordane	0.051	0.065	µg/l
Chlordane [2C]	0.061	0.065	µg/l
Chlordane (1)	0.051	0.065	µg/l
Chlordane (1) [2C]	0.061	0.065	µg/l
Chlordane (2)	0.051	0.065	µg/l
Chlordane (2) [2C]	0.061	0.065	µg/l
Chlordane (3)	0.051	0.065	µg/l
Chlordane (3) [2C]	0.061	0.065	µg/l
Chlordane (4)	0.051	0.065	µg/l
Chlordane (4) [2C]	0.061	0.065	µg/l
Chlordane (5)	0.051	0.065	µg/l
Chlordane (5) [2C]	0.061	0.065	µg/l
Alachlor	0.019	0.020	µg/l
Alachlor [2C]	0.018	0.020	µg/l

**FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY**

SW846 8081B

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708093

Instrument: HPS17

Calibration: 1709047

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Cal Standard	S708093-CAL1	AA170924.D	09/24/17 12:10
Cal Standard	S708093-CAL2	AB170924.D	09/24/17 12:29
Cal Standard	S708093-CAL3	AC170924.D	09/24/17 12:48
Cal Standard	S708093-CAL4	AD170924.D	09/24/17 13:06
Cal Standard	S708093-CAL5	AE170924.D	09/24/17 13:25
Initial Cal Check	S708093-ICV1	AF170924.D	09/24/17 13:43
Low Cal Check	S708093-LCV1	AG170924.D	09/24/17 14:02
Cal Standard	S708093-CAL6	AH170924.D	09/24/17 14:20
Cal Standard	S708093-CAL7	AI170924.D	09/24/17 14:39
Cal Standard	S708093-CAL8	AJ170924.D	09/24/17 14:57
Cal Standard	S708093-CAL9	AK170924.D	09/24/17 15:16
Cal Standard	S708093-CALA	AL170924.D	09/24/17 15:34
Initial Cal Check	S708093-ICV2	AM170924.D	09/24/17 15:53
Low Cal Check	S708093-LCV2	AN170924.D	09/24/17 16:11
Cal Standard	S708093-CALB	AP170924.D	09/24/17 16:30
Cal Standard	S708093-CALC	AQ170924.D	09/24/17 16:48
Cal Standard	S708093-CALD	AR170924.D	09/24/17 17:07
Cal Standard	S708093-CALE	AS170924.D	09/24/17 17:26
Cal Standard	S708093-CALF	AT170924.D	09/24/17 17:44
Initial Cal Check	S708093-ICV3	AU170924.D	09/24/17 18:03
Low Cal Check	S708093-LCV3	AV170924.D	09/24/17 18:21

**FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY**

SW846 8081B

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708605

Instrument: HPS17

Calibration: 1709047

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Performance Mix	S708605-PEM1	G1170927.D	09/27/17 17:57
Calibration Check	S708605-CCV1	C1170927.D	09/27/17 18:15
Calibration Check	S708605-CCV2	Y1170927.D	09/27/17 18:34
Calibration Check	S708605-CCV3	T1170927.D	09/27/17 18:52
Instrument Blank	S708605-IBL1	I1170927.D	09/27/17 19:11
Blank	1715920-BLK1	B1170927.D	09/27/17 19:29
LCS	1715920-BS1	L1170927.D	09/27/17 19:48
LCS Dup	1715920-BSD1	L2170927.D	09/27/17 20:07
TF1-MW-7-091317	1715920-MS2	M2170927.D	09/27/17 21:02
TF1-MW-7-091317	1715920-MSD2	M4170927.D	09/27/17 21:39
Performance Mix	S708605-PEM2	G2170927.D	09/27/17 22:35
Calibration Check	S708605-CCV4	C2170927.D	09/27/17 22:53
Instrument Blank	S708605-IBL2	I2170926.D	09/27/17 23:12
TF1-GZ-106-091317	SC39221-01	3922101Z.D	09/28/17 01:41
TF1-GT-117-091317	SC39221-02	3922102Z.D	09/28/17 01:59
TF1-GT-108-091317	SC39221-03	3922103Z.D	09/28/17 02:18
Performance Mix	S708605-PEM3	G3170927.D	09/28/17 02:36
Calibration Check	S708605-CCV7	C3170927.D	09/28/17 02:55
Calibration Check	S708605-CCV5	Y3170927.D	09/28/17 03:14
Calibration Check	S708605-CCV6	T3170927.D	09/28/17 03:32
Instrument Blank	S708605-IBL3	I3170927.D	09/28/17 03:51
TF1-MW-1008-091317	SC39221-04	3922104Z.D	09/28/17 04:09
TF1-DUP-04-091317	SC39221-05	3922105Z.D	09/28/17 04:28
TF1-MW-7-091317	SC39221-06	3922106Z.D	09/28/17 04:47
Performance Mix	S708605-PEM4	G4170927.D	09/28/17 05:42
Calibration Check	S708605-CCV8	C4170927.D	09/28/17 06:01
Instrument Blank	S708605-IBL4	I4170927.D	09/28/17 06:57

SW846 8082A

CROSS REFERENCE TABLE

SW846 8082A

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Project Number: 112G08005-WE15

Client Sample ID:

TF1-MW-1008-091317

TF1-MW-7-091317

Lab Sample ID:

SC39221-04

SC39221-06

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport / 112G08005-WE15

SDG #: SC39221

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 8082A.

IV. PREPARATION

Aqueous samples were prepared according to SW846 3510C.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 8082A:

HPS12 details: Agilent 6890 series dual column ECD GC with RTX-CLPesticides (30m, 0.53mmID, 0.5um df) & RTX-CLPesticides2 Column (30m, 0.53mmID, 0.42um df)

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Surrogates:

All method criteria were met.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1716099 from source sample TF1-MW-7-091317 (SC39221-06).

All method criteria were met.

E. Duplicates:

A duplicate was analyzed.

In batch 1716099 from source sample TF1-MW-1008-091317 (SC39221-04).

All method criteria were met.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met.

FORM II - SURROGATE STANDARD RECOVERY SUMMARY

SW846 8082A

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Spike ID: 1710082

Client ID	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	Total Out
Blank (1716099-BLK1)	60	65	75	75			0
LCS (1716099-BS1)	60	60	70	70			0
LCS Dup (1716099-BSD1)	65	60	65	70			0
Duplicate (1716099-DUP1)	65	70	60	75			0
Matrix Spike (1716099-MS1)	75	75	90	105			0
Matrix Spike Dup (1716099-MSD1)	75	80	90	105			0
Instrument Blank (S708528-IBL1)	95	100	95	110			0
Instrument Blank (S708528-IBL2)	95	100	100	95			0
TF1-MW-1008-091317 (SC39221-04)	40	45	45	45			0
TF1-MW-7-091317 (SC39221-06)	65	70	75	75			0

Control Limits

S1 = 4,4-DB-Octafluorobiphenyl (Sr)	30 - 150
S2 = 4,4-DB-Octafluorobiphenyl (Sr) [2C]	30 - 150
S3 = Decachlorobiphenyl (Sr)	40 - 135
S4 = Decachlorobiphenyl (Sr) [2C]	40 - 135

Column to be used to flag recovery values

* Values outside of QC limits

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 8082A

Laboratory: <u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG: <u>SC39221</u>
Client: <u>Tetra Tech, Inc. - Salem, NH</u>	Project: <u>WE15 Tank Farm 1 NAVSTA Newport</u>
Matrix: <u>Aqueous</u>	Instrument: <u>HPS12</u>
Batch: <u>1716099</u>	Laboratory ID: <u>1716099-BS1</u>
Preparation: <u>SW846 3510C</u>	Initial/Final: <u>980 ml / 10 ml</u>
Analyzed: <u>09/25/17 17:51</u>	Spike ID: <u>17E0920</u>
	File ID: <u>L1120925.D</u>

COMPOUND	SPIKE ADDED (µg/l)	LCS CONCENTRATION (µg/l)	LCS % REC. #	QC LIMITS REC.
Aroclor-1016	2.55	2.24	88	46 - 129
Aroclor-1016 [2C]	2.55	2.38	93	46 - 129
Aroclor-1260	2.55	2.27	89	45 - 134
Aroclor-1260 [2C]	2.55	2.46	96	45 - 134

File ID: L2120925.D

COMPOUND	SPIKE ADDED (µg/l)	LCSD CONCENTRATION (µg/l)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Aroclor-1016	2.55	2.24	88	0	30	46 - 129
Aroclor-1016 [2C]	2.55	2.36	92	0.9	30	46 - 129
Aroclor-1260	2.55	2.31	90	2	30	45 - 134
Aroclor-1260 [2C]	2.55	2.39	94	3	30	45 - 134

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IIIb (Organic) / FORM V (Inorganic)
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

TF1-MW-7-091317

SW846 8082A

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC39221</u>
Client:	<u>Tetra Tech, Inc. - Salem, NH</u>	Project:	<u>WE15 Tank Farm 1 NAVSTA Newport</u>
Matrix:	<u>Aqueous</u>	Instrument:	<u>HPS12</u>
Batch:	<u>1716099</u>	Laboratory ID:	<u>1716099-MS1</u>
Preparation:	<u>SW846 3510C</u>	Initial/Final:	<u>980 ml / 10 ml</u>
Source Sample Name:	<u>TF1-MW-7-091317</u>	% Solids:	
		Spike ID:	17E0920
		File ID:	<u>M1120925.D</u>

COMPOUND	SPIKE ADDED (µg/l)	SAMPLE CONCENTRATION (µg/l)	MS CONCENTRATION (µg/l)	MS % REC. #	QC LIMITS REC.
Aroclor-1016	2.55	BRL	1.78	70	46 - 129
Aroclor-1016 [2C]	2.55	BRL	2.09	82	46 - 129
Aroclor-1260	2.55	BRL	1.96	77	45 - 134
Aroclor-1260 [2C]	2.55	BRL	2.31	90	45 - 134

File ID: M2120925.D

COMPOUND	SPIKE ADDED (µg/l)	MSD CONCENTRATION (µg/l)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Aroclor-1016	2.75	2.01	73	12	15	46 - 129
Aroclor-1016 [2C]	2.75	2.23	81	6	15	46 - 129
Aroclor-1260	2.75	2.14	78	9	20	45 - 134
Aroclor-1260 [2C]	2.75	2.42	88	5	20	45 - 134

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM IIIc - DUPLICATES

TF1-MW-1008-091317

SW846 8082A

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Laboratory ID: 1716099-DUP1

Batch: 1716099

Lab Source ID: SC39221-04

Preparation: SW846 3510C

Initial/Final: 1040 ml / 10 ml

Source Sample Name: TF1-MW-1008-091317

% Solids:

File ID: D1120925.D

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (µg/l)	C	DUPLICATE CONCENTRATION (µg/l)	C	RPD %	Q	METHOD
Aroclor-1016	40	BRL		BDL				SW846 8082A
Aroclor-1016 [2C]	40			BDL				SW846 8082A
Aroclor-1221	40	BRL		BDL				SW846 8082A
Aroclor-1221 [2C]	40			BDL				SW846 8082A
Aroclor-1232	40	BRL		BDL				SW846 8082A
Aroclor-1232 [2C]	40			BDL				SW846 8082A
Aroclor-1242	40	BRL		BDL				SW846 8082A
Aroclor-1242 [2C]	40			BDL				SW846 8082A
Aroclor-1248	40	BRL		BDL				SW846 8082A
Aroclor-1248 [2C]	40			BDL				SW846 8082A
Aroclor-1254	40	BRL		BDL				SW846 8082A
Aroclor-1254 [2C]	40			BDL				SW846 8082A
Aroclor-1260	40	BRL		BDL				SW846 8082A
Aroclor-1260 [2C]	40			BDL				SW846 8082A
Aroclor-1262	40	BRL		BDL				SW846 8082A
Aroclor-1262 [2C]	40			BDL				SW846 8082A
Aroclor-1268	40	BRL		BDL				SW846 8082A
Aroclor-1268 [2C]	40			BDL				SW846 8082A

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IV - METHOD BLANK SUMMARY

1716099-BLK1

SW846 8082A

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC39221</u>
Client:	<u>Tetra Tech, Inc. - Salem, NH</u>	Project:	<u>WE15 Tank Farm 1 NAVSTA Newport</u>
Matrix:	<u>Aqueous</u>	Laboratory ID:	<u>1716099-BLK1</u>
		Preparation:	<u>SW846 3510C</u>
Analyzed:	<u>09/25/17 17:41</u>	Instrument:	<u>HPS12</u>
Batch:	<u>1716099</u>	Sequence:	<u>S708528</u>
		File ID:	<u>B1120925.D</u>
		Initial/Final:	<u>980 ml / 10 ml</u>
		Calibration:	<u>1706075</u>

This method blank applies to the following sample analyses:

SAMPLE NO.	LAB SAMPLE ID	FILE ID	DATE ANALYZED	TIME ANALYZED
LCS	1716099-BS1	L1120925.D	09/25/17	17:51
LCS Dup	1716099-BSD1	L2120925.D	09/25/17	18:01
Duplicate	1716099-DUP1	D1120925.D	09/25/17	18:11
Matrix Spike	1716099-MS1	M1120925.D	09/25/17	18:21
Matrix Spike Dup	1716099-MSD1	M2120925.D	09/25/17	18:30
TF1-MW-1008-091317	SC39221-04	3922104.D	09/25/17	18:40
TF1-MW-7-091317	SC39221-06	3922106.D	09/25/17	18:50

FORM I - ANALYSIS DATA SHEET
SW846 8082A

1716099-BLK1

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Matrix: Aqueous Laboratory ID: 1716099-BLK1 File ID: B1120925.D
Preparation: SW846 3510C Initial/Final: 980 ml / 10 ml
Analyzed: 09/25/17 17:41 Instrument: HPS12
Batch: 1716099 Sequence: S708528 Calibration: 1706075

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
12674-11-2	Aroclor-1016	1	0.204	U	0.106	0.204	0.204
12674-11-2	Aroclor-1016 [2C]	1	0.204	U	0.124	0.204	0.204
11104-28-2	Aroclor-1221	1	0.204	U	0.117	0.204	0.204
11104-28-2	Aroclor-1221 [2C]	1	0.204	U	0.184	0.204	0.204
11141-16-5	Aroclor-1232	1	0.204	U	0.113	0.204	0.204
11141-16-5	Aroclor-1232 [2C]	1	0.204	U	0.0865	0.204	0.204
53469-21-9	Aroclor-1242	1	0.204	U	0.109	0.204	0.204
53469-21-9	Aroclor-1242 [2C]	1	0.204	U	0.107	0.204	0.204
12672-29-6	Aroclor-1248	1	0.204	U	0.139	0.204	0.204
12672-29-6	Aroclor-1248 [2C]	1	0.204	U	0.128	0.204	0.204
11097-69-1	Aroclor-1254	1	0.204	U	0.118	0.204	0.204
11097-69-1	Aroclor-1254 [2C]	1	0.204	U	0.116	0.204	0.204
11096-82-5	Aroclor-1260	1	0.204	U	0.0868	0.204	0.204
11096-82-5	Aroclor-1260 [2C]	1	0.204	U	0.118	0.204	0.204
37324-23-5	Aroclor-1262	1	0.204	U	0.0914	0.204	0.204
37324-23-5	Aroclor-1262 [2C]	1	0.204	U	0.130	0.204	0.204
11100-14-4	Aroclor-1268	1	0.204	U	0.0934	0.204	0.204
11100-14-4	Aroclor-1268 [2C]	1	0.204	U	0.121	0.204	0.204

FORM VIIIa - INTERNAL STANDARD AREA AND RT SUMMARY

SW846 8082A

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708528

Instrument: HPS12

Matrix: Aqueous

Calibration: 1706075

Analyzed: 09/25/17 17:12

File ID: C1120925.D

	IS1 Area #	RT #	IS2 Area #	RT #	IS3 Area #	RT #	IS4 Area #	RT #	IS5 Area #	RT #	IS6 Area #	RT #
12-Hour Standard	113000000	1.35	45403900	1.99								
Upper Limit	226000000	1.85	90807800	2.49								
Lower Limit	56500000	0.85	22701950	1.49								
Sample ID												
Calibration Check (S708528-CCV2)	115600000	1.35	43244160	1.99								
Blank (1716099-BLK1)	121300000	1.35	45482940	1.99								
LCS (1716099-BS1)	128000000	1.35	47266430	2.01								
LCS Dup (1716099-BSD1)	130400000	1.35	47641760	1.98								
Duplicate (1716099-DUP1)	137500000	1.35	48260620	2								
Matrix Spike (1716099-MS1)	126300000	1.35	41549280	2.02								
Matrix Spike Dup (1716099-MSD1)	124200000	1.35	43302640	2.02								
Instrument Blank (S708528-IBL1)	118900000	1.35	42168350	2								
Instrument Blank (S708528-IBL2)	119900000	1.35	45798000	1.98								
TF1-MW-1008-091317 (SC39221-04)	121700000	1.35	47857930	2.02								
TF1-MW-7-091317 (SC39221-06)	120600000	1.35	49536620	2.02								

IS1 = 2,4,5,6-TC-M-Xylene (IS)

IS2 = 2,4,5,6-TC-M-Xylene (IS) [2C]

Column to be used to flag internal standard area values

* Values outside of QC limits

Area Upper Limit = 200% of internal standard area

Area Lower Limit = 50% of internal standard area

RT Limit = +/- 0.50

Organic/FORM IX(Inorganic) - METHOD DETECTION AND REPORTING LIMITS

SW846 8082A

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Analyte	MDL	MRL	Units
Aroclor-1016	0.104	0.200	µg/l
Aroclor-1016 (1)	0.104	0.200	µg/l
Aroclor-1016 (2)	0.104	0.200	µg/l
Aroclor-1016 (3)	0.104	0.200	µg/l
Aroclor-1016 (4)	0.104	0.200	µg/l
Aroclor-1016 (5)	0.104	0.200	µg/l
Aroclor-1016 [2C]	0.122	0.200	µg/l
Aroclor-1016 (1) [2C]	0.122	0.200	µg/l
Aroclor-1016 (2) [2C]	0.122	0.200	µg/l
Aroclor-1016 (3) [2C]	0.122	0.200	µg/l
Aroclor-1016 (4) [2C]	0.122	0.200	µg/l
Aroclor-1016 (5) [2C]	0.122	0.200	µg/l
Aroclor-1221	0.115	0.200	µg/l
Aroclor-1221 (1)	0.115	0.200	µg/l
Aroclor-1221 (2)	0.115	0.200	µg/l
Aroclor-1221 (3)	0.115	0.200	µg/l
Aroclor-1221 (4)	0.115	0.200	µg/l
Aroclor-1221 (5)	0.115	0.200	µg/l
Aroclor-1221 [2C]	0.180	0.200	µg/l
Aroclor-1221 (1) [2C]	0.180	0.200	µg/l
Aroclor-1221 (2) [2C]	0.180	0.200	µg/l
Aroclor-1221 (3) [2C]	0.180	0.200	µg/l
Aroclor-1221 (4) [2C]	0.180	0.200	µg/l
Aroclor-1221 (5) [2C]	0.180	0.200	µg/l
Aroclor-1232	0.111	0.200	µg/l
Aroclor-1232 (1)	0.111	0.200	µg/l
Aroclor-1232 (2)	0.111	0.200	µg/l
Aroclor-1232 (3)	0.111	0.200	µg/l
Aroclor-1232 (4)	0.111	0.200	µg/l
Aroclor-1232 (5)	0.111	0.200	µg/l
Aroclor-1232 [2C]	0.0848	0.200	µg/l
Aroclor-1232 (1) [2C]	0.0848	0.200	µg/l
Aroclor-1232 (2) [2C]	0.0848	0.200	µg/l
Aroclor-1232 (3) [2C]	0.0848	0.200	µg/l
Aroclor-1232 (4) [2C]	0.0848	0.200	µg/l
Aroclor-1232 (5) [2C]	0.0848	0.200	µg/l
Aroclor-1242	0.107	0.200	µg/l
Aroclor-1242 (1)	0.107	0.200	µg/l
Aroclor-1242 (2)	0.107	0.200	µg/l

Organic/FORM IX(Inorganic) - METHOD DETECTION AND REPORTING LIMITS

SW846 8082A

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Analyte	MDL	MRL	Units
Aroclor-1242 (3)	0.107	0.200	µg/l
Aroclor-1242 (4)	0.107	0.200	µg/l
Aroclor-1242 (5)	0.107	0.200	µg/l
Aroclor-1242 [2C]	0.105	0.200	µg/l
Aroclor-1242 (1) [2C]	0.105	0.200	µg/l
Aroclor-1242 (2) [2C]	0.105	0.200	µg/l
Aroclor-1242 (3) [2C]	0.105	0.200	µg/l
Aroclor-1242 (4) [2C]	0.105	0.200	µg/l
Aroclor-1242 (5) [2C]	0.105	0.200	µg/l
Aroclor-1248	0.136	0.200	µg/l
Aroclor-1248 (1)	0.136	0.200	µg/l
Aroclor-1248 (2)	0.136	0.200	µg/l
Aroclor-1248 (3)	0.136	0.200	µg/l
Aroclor-1248 (4)	0.136	0.200	µg/l
Aroclor-1248 (5)	0.136	0.200	µg/l
Aroclor-1248 [2C]	0.125	0.200	µg/l
Aroclor-1248 (1) [2C]	0.125	0.200	µg/l
Aroclor-1248 (2) [2C]	0.125	0.200	µg/l
Aroclor-1248 (3) [2C]	0.125	0.200	µg/l
Aroclor-1248 (4) [2C]	0.125	0.200	µg/l
Aroclor-1248 (5) [2C]	0.125	0.200	µg/l
Aroclor-1254	0.116	0.200	µg/l
Aroclor-1254 (1)	0.116	0.200	µg/l
Aroclor-1254 (2)	0.116	0.200	µg/l
Aroclor-1254 (3)	0.116	0.200	µg/l
Aroclor-1254 (4)	0.116	0.200	µg/l
Aroclor-1254 (5)	0.116	0.200	µg/l
Aroclor-1254 [2C]	0.113	0.200	µg/l
Aroclor-1254 (1) [2C]	0.113	0.200	µg/l
Aroclor-1254 (2) [2C]	0.113	0.200	µg/l
Aroclor-1254 (3) [2C]	0.113	0.200	µg/l
Aroclor-1254 (4) [2C]	0.113	0.200	µg/l
Aroclor-1254 (5) [2C]	0.113	0.200	µg/l
Aroclor-1260	0.0851	0.200	µg/l
Aroclor-1260 (1)	0.0851	0.200	µg/l
Aroclor-1260 (2)	0.0851	0.200	µg/l
Aroclor-1260 (3)	0.0851	0.200	µg/l
Aroclor-1260 (4)	0.0851	0.200	µg/l
Aroclor-1260 (5)	0.0851	0.200	µg/l

Organic/FORM IX(Inorganic) - METHOD DETECTION AND REPORTING LIMITS

SW846 8082A

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Analyte	MDL	MRL	Units
Aroclor-1260 [2C]	0.115	0.200	µg/l
Aroclor-1260 (1) [2C]	0.115	0.200	µg/l
Aroclor-1260 (2) [2C]	0.115	0.200	µg/l
Aroclor-1260 (3) [2C]	0.115	0.200	µg/l
Aroclor-1260 (4) [2C]	0.115	0.200	µg/l
Aroclor-1260 (5) [2C]	0.115	0.200	µg/l
Aroclor-1262	0.0896	0.200	µg/l
Aroclor-1262 (1)	0.0896	0.200	µg/l
Aroclor-1262 (2)	0.0896	0.200	µg/l
Aroclor-1262 (3)	0.0896	0.200	µg/l
Aroclor-1262 (4)	0.0896	0.200	µg/l
Aroclor-1262 (5)	0.0896	0.200	µg/l
Aroclor-1262 [2C]	0.127	0.200	µg/l
Aroclor-1262 (1) [2C]	0.127	0.200	µg/l
Aroclor-1262 (2) [2C]	0.127	0.200	µg/l
Aroclor-1262 (3) [2C]	0.127	0.200	µg/l
Aroclor-1262 (4) [2C]	0.127	0.200	µg/l
Aroclor-1262 (5) [2C]	0.127	0.200	µg/l
Aroclor-1268	0.0915	0.200	µg/l
Aroclor-1268 (1)	0.0915	0.200	µg/l
Aroclor-1268 (2)	0.0915	0.200	µg/l
Aroclor-1268 (3)	0.0915	0.200	µg/l
Aroclor-1268 (4)	0.0915	0.200	µg/l
Aroclor-1268 (5)	0.0915	0.200	µg/l
Aroclor-1268 [2C]	0.119	0.200	µg/l
Aroclor-1268 (1) [2C]	0.119	0.200	µg/l
Aroclor-1268 (2) [2C]	0.119	0.200	µg/l
Aroclor-1268 (3) [2C]	0.119	0.200	µg/l
Aroclor-1268 (4) [2C]	0.119	0.200	µg/l
Aroclor-1268 (5) [2C]	0.119	0.200	µg/l

**FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY**

SW846 8082A

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S705626

Instrument: HPS12

Calibration: 1706075

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Cal Standard	S705626-CAL1	W1120619.D	06/20/17 15:49
Cal Standard	S705626-CAL2	W2120619.D	06/20/17 15:58
Cal Standard	S705626-CAL3	W3120619.D	06/20/17 16:08
Cal Standard	S705626-CAL4	W4120619.D	06/20/17 16:18
Cal Standard	S705626-CAL5	W5120619.D	06/20/17 16:28
Initial Cal Check	S705626-ICV1	W6120619.D	06/20/17 16:38
Low Cal Check	S705626-LCV1	W7120619.D	06/20/17 16:48
Cal Standard	S705626-CAL6	E1120620.D	06/20/17 17:25
Cal Standard	S705626-CAL7	E2120620.D	06/20/17 17:35
Cal Standard	S705626-CAL8	E3120620.D	06/20/17 17:45
Cal Standard	S705626-CAL9	E4120620.D	06/20/17 17:54
Cal Standard	S705626-CALA	E5120620.D	06/20/17 18:04
Initial Cal Check	S705626-ICV2	E6120620.D	06/20/17 18:14
Low Cal Check	S705626-LCV2	E7120620.D	06/20/17 18:24
Cal Standard	S705626-CALB	F1120620.D	06/20/17 18:34
Cal Standard	S705626-CALC	F2120620.D	06/20/17 18:44
Cal Standard	S705626-CALD	F3120620.D	06/20/17 18:53
Cal Standard	S705626-CALE	F4120620.D	06/20/17 19:03
Cal Standard	S705626-CALF	F5120620.D	06/20/17 19:13
Initial Cal Check	S705626-ICV3	F6120620.D	06/20/17 19:23
Low Cal Check	S705626-LCV3	F7120620.D	06/20/17 19:33
Cal Standard	S705626-CALG	G1120620.D	06/20/17 19:43
Cal Standard	S705626-CALH	G2120620.D	06/20/17 19:52
Cal Standard	S705626-CALI	G3120620.D	06/20/17 20:02
Cal Standard	S705626-CALJ	G4120620.D	06/20/17 20:12
Cal Standard	S705626-CALK	G5120620.D	06/20/17 20:22
Initial Cal Check	S705626-ICV4	G6120620.D	06/20/17 20:32
Low Cal Check	S705626-LCV4	G7120620.D	06/20/17 20:41
Cal Standard	S705626-CALL	K1120620.D	06/20/17 20:51
Cal Standard	S705626-CALM	K2120620.D	06/20/17 21:01
Cal Standard	S705626-CALN	K3120620.D	06/20/17 21:11
Cal Standard	S705626-CALO	K4120620.D	06/20/17 21:21
Cal Standard	S705626-CALP	K5120620.D	06/20/17 21:31

**FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY**

SW846 8082A

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S705626

Instrument: HPS12

Calibration: 1706075

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Initial Cal Check	S705626-ICV5	K6120620.D	06/20/17 21:40
Low Cal Check	S705626-LCV5	K7120620.D	06/20/17 21:50
Cal Standard	S705626-CALQ	X1120620.D	06/20/17 22:00
Cal Standard	S705626-CALR	X2120620.D	06/20/17 22:10
Cal Standard	S705626-CALS	X3120620.D	06/20/17 22:20
Cal Standard	S705626-CALT	X4120620.D	06/20/17 22:30
Cal Standard	S705626-CALU	X5120620.D	06/20/17 22:39
Initial Cal Check	S705626-ICV6	X6120620.D	06/20/17 22:49
Low Cal Check	S705626-LCV6	X7120620.D	06/20/17 22:59

**FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY**

SW846 8082A

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708528

Instrument: HPS12

Calibration: 1706075

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Instrument Blank	S708528-IBL1	I1120925.D	09/25/17 17:02
Calibration Check	S708528-CCV1	C1120925.D	09/25/17 17:12
Blank	1716099-BLK1	B1120925.D	09/25/17 17:41
LCS	1716099-BS1	L1120925.D	09/25/17 17:51
LCS Dup	1716099-BSD1	L2120925.D	09/25/17 18:01
TF1-MW-1008-091317	1716099-DUP1	D1120925.D	09/25/17 18:11
TF1-MW-7-091317	1716099-MS1	M1120925.D	09/25/17 18:21
TF1-MW-7-091317	1716099-MSD1	M2120925.D	09/25/17 18:30
TF1-MW-1008-091317	SC39221-04	3922104.D	09/25/17 18:40
TF1-MW-7-091317	SC39221-06	3922106.D	09/25/17 18:50
Calibration Check	S708528-CCV2	C4120925.D	09/25/17 19:39
Instrument Blank	S708528-IBL2	I2120925.D	09/25/17 20:18

Mod EPA 3C/SOP RSK-175

CROSS REFERENCE TABLE

Mod EPA 3C/SOP RSK-175

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112G08005-WE15

Client Sample ID:	Lab Sample ID:
<u>TF1-GT-117-091317</u>	<u>SC39221-02</u>
<u>TF1-GT-108-091317</u>	<u>SC39221-03</u>
<u>TF1-MW-1008-091317</u>	<u>SC39221-04</u>
<u>TF1-DUP-04-091317</u>	<u>SC39221-05</u>
<u>TF1-MW-7-091317</u>	<u>SC39221-06</u>
<u>TF1-GT-125-091317</u>	<u>SC39221-09</u>

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport / 112G08005-WE15

SDG #: SC39221

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to Mod EPA 3C/SOP RSK-175.

IV. PREPARATION

Aqueous samples were prepared according to General Air Prep.

V. INSTRUMENTATION

The following equipment was used to analyze Mod EPA 3C/SOP RSK-175:

Air5 details: Perkin-Elmer / Arnel Clarus 500 GC
TCD detector 7' HayeSep N 60/80, 1/8" SF column
9' Molecular Sieve 13x45/60, 1/8" SF column

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

No matrix spike or matrix spike duplicates were analyzed.

D. Duplicates:

A duplicate was analyzed.

In batch 1716073 from source sample TF1-MW-7-091317 (SC39221-06).

All method criteria were met.

E. Samples:

All method criteria were met.

FORM IIIa - LCS / LCS DUPLICATE RECOVERY**Mod EPA 3C/SOP RSK-175**Laboratory: Eurofins Spectrum Analytical, Inc. - MASDG: SC39221Client: Tetra Tech, Inc. - Salem, NHProject: WE15 Tank Farm 1 NAVSTA NewportMatrix: AqueousInstrument: Air5Batch: 1716073Laboratory ID: 1716073-BS1Preparation: General Air PrepInitial/Final: 10 µg / 10 µgAnalyzed: 09/19/17 10:17Spike ID: 17F0404File ID: 091917-chanb-003-0

COMPOUND	SPIKE ADDED (mg/l)	LCS CONCENTRATION (mg/l)	LCS % REC. #	QC LIMITS REC.
Methane	500	445	89	73 - 125
Ethane	500	491	98	74 - 131

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IIIc - DUPLICATES**TF1-MW-7-091317****Mod EPA 3C/SOP RSK-175**Laboratory: Eurofins Spectrum Analytical, Inc. - MASDG: SC39221Client: Tetra Tech, Inc. - Salem, NHProject: WE15 Tank Farm 1 NAVSTA NewportMatrix: AqueousLaboratory ID: 1716073-DUP1Batch: 1716073Lab Source ID: SC39221-06Preparation: General Air PrepInitial/Final: 10 µg / 10 µgSource Sample Name: TF1-MW-7-091317

% Solids:

File ID: 091917-chanb-013-0

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (µg/l)	C	DUPLICATE CONCENTRATION (µg/l)	C	RPD %	Q	METHOD
Methane	30	BRL		BDL				Mod EPA 3C/SOP RSK-175
Ethane	30	BRL		BDL				Mod EPA 3C/SOP RSK-175

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IV - METHOD BLANK SUMMARY
Mod EPA 3C/SOP RSK-175

1716073-BLK1

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC39221</u>
Client:	<u>Tetra Tech, Inc. - Salem, NH</u>	Project:	<u>WE15 Tank Farm 1 NAVSTA Newport</u>
Matrix:	<u>Aqueous</u>	Laboratory ID:	<u>1716073-BLK1</u>
		File ID:	<u>091917-chanb-004-0</u>
		Preparation:	<u>General Air Prep</u>
		Initial/Final:	<u>10 µg / 10 µg</u>
Analyzed:	<u>09/19/17 10:52</u>	Instrument:	<u>Air5</u>
Batch:	<u>1716073</u>	Sequence:	<u>S708332</u>
		Calibration:	<u>1707028</u>

This method blank applies to the following sample analyses:

SAMPLE NO.	LAB SAMPLE ID	FILE ID	DATE ANALYZED	TIME ANALYZED
LCS	1716073-BS1	091917-chanb-003-0	09/19/17	10:17
TF1-GT-117-091317	SC39221-02	091917-chanb-008-0	09/19/17	13:10
TF1-GT-108-091317	SC39221-03	091917-chanb-009-0	09/19/17	13:52
TF1-MW-1008-091317	SC39221-04	091917-chanb-010-0	09/19/17	14:25
TF1-DUP-04-091317	SC39221-05	091917-chanb-011-0	09/19/17	14:47
TF1-MW-7-091317	SC39221-06	091917-chanb-012-0	09/19/17	15:13
Duplicate	1716073-DUP1	091917-chanb-013-0	09/19/17	15:37
TF1-GT-125-091317	SC39221-09	091917-chanb-014-0	09/19/17	16:04

FORM I - AIR ANALYSIS DATA SHEET
Mod EPA 3C/SOP RSK-175

1716073-BLK1

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Matrix: Aqueous Laboratory ID: 1716073-BLK1 File ID: 091917-chanb-004-0
Preparation: General Air Prep Initial/Final: 10 μ g / 10 μ g
Analyzed: 09/19/17 10:52 Instrument: Air5
Batch: 1716073 Sequence: S708332 Calibration: 1707028
Units: μ g/l

CAS NO.	COMPOUND	RESULT	Q	MDL	LOD	LOQ
74-82-8	Methane	2.20	U	2.16	2.20	2.20
74-84-0	Ethane	5.00	U	3.48	5.00	5.00

Organic/FORM IX(Inorganic) - METHOD DETECTION AND REPORTING LIMITS

Mod EPA 3C/SOP RSK-175

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Analyte	MDL	MRL	Units
Methane	2.16	2.20	µg/l
Ethane	3.48	5.00	µg/l

**FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY**

Mod EPA 3C/SOP RSK-175

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S706268

Instrument: Air5

Calibration: 1707028

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Cal Standard	S706268-CAL1	071117-chanB-002-0	07/11/17 08:55
Cal Standard	S706268-CAL2	071117-chanB-003-0	07/11/17 09:27
Cal Standard	S706268-CAL3	071117-chanB-004-0	07/11/17 10:24
Cal Standard	S706268-CAL4	071117-chanB-005-0	07/11/17 10:49
Cal Standard	S706268-CAL5	071117-chanB-006-0	07/11/17 11:19
Cal Standard	S706268-CAL6	071117-chanB-009-0	07/11/17 13:34
Cal Standard	S706268-CAL7	071117-chanB-010-0	07/11/17 14:03
Low Cal Check	S706268-LCV1	071117-chanB-012-0	07/11/17 15:51
Initial Cal Check	S706268-ICV1	071117-chanB-014-0	07/11/17 16:44

**FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY**

Mod EPA 3C/SOP RSK-175

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708332

Instrument: Air5

Calibration: 1707028

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Calibration Check	S708332-CCV1	091917-chanb-002-0	09/19/17 09:24
LCS	1716073-BS1	091917-chanb-003-0	09/19/17 10:17
Blank	1716073-BLK1	091917-chanb-004-0	09/19/17 10:52
TF1-GT-117-091317	SC39221-02	091917-chanb-008-0	09/19/17 13:10
TF1-GT-108-091317	SC39221-03	091917-chanb-009-0	09/19/17 13:52
TF1-MW-1008-091317	SC39221-04	091917-chanb-010-0	09/19/17 14:25
TF1-DUP-04-091317	SC39221-05	091917-chanb-011-0	09/19/17 14:47
TF1-MW-7-091317	SC39221-06	091917-chanb-012-0	09/19/17 15:13
TF1-MW-7-091317	1716073-DUP1	091917-chanb-013-0	09/19/17 15:37
TF1-GT-125-091317	SC39221-09	091917-chanb-014-0	09/19/17 16:04
Calibration Check	S708332-CCV2	091917-chanb-019-0	09/19/17 18:01

Custom TPH by GC with Ranges Data

Case Narrative/Conformance Summary

CLIENT: Eurofins Spectrum Analytical
SDG: THO42

EPH/Miscellaneous GC

Fraction: Custom TPH by GC with Ranges

Sample #	Client ID	Matrix		DF	Comments
		Liquid	Solid		
9215177	SC39221-02	X		1	
9215178	SC39221-03	X		1	
9215179	SC39221-04	X		1	
9215180	SC39221-05	X		1	
9215181	SC39221-06	X		1	Unspiked
9215182	SC39221-06MS	X		1	Matrix Spike
9215183	SC39221-06MSD	X		1	Matrix Spike Duplicate
9215185	SC39221-09	X		1	

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:

All QC is within specification.

SAMPLE ANALYSIS:

No problems were encountered with the analysis of the samples.

Quality Control Reference List
EPH/Miscellaneous GC

CLIENT: Eurofins Spectrum Analytical
SDG: THO42

Fraction: Custom TPH by GC with Ranges

Analysis	Batch Number	Sample Number	Analysis Date
Custom TPH with Ranges (Water)	172630008A	PBLK08263	09/21/2017 19:12:00
		LCS08263	09/21/2017 19:34:00
		9215177	09/21/2017 19:55:00
		9215178	09/21/2017 20:17:00
		9215179	09/21/2017 20:38:00
		9215180	09/21/2017 21:00:00
		9215181 UNSPK	09/21/2017 21:21:00
		9215182 MS	09/21/2017 21:43:00
		9215183 MSD	09/21/2017 22:04:00
		9215185	09/21/2017 22:26:00

Fraction: Custom TPH by GC with Ranges

172630008A / PBLK08263 Analyte	Analysis Date	Blank Results	Units	DL	LOD	LOQ
Total TPH	09/21/17	N.D.	mg/l	0.050	0.10	0.20
C8-C44	09/21/17	N.D.	mg/l	0.050	0.10	0.20

Fraction: Custom TPH by GC with Ranges

172630008A Sample	Chlorobenzene		Orthoterphenyl	
	Spike Added	0.0121 mg/l	Spike Added	0.0121 mg/l
	% Recovery	Limits	% Recovery	Limits
PBLK08263	72	35 - 135	90	56 - 125
LCS08263	71	35 - 135	97	56 - 125
9215177	64	35 - 135	98	56 - 125
9215178	82	35 - 135	100	56 - 125
9215179	80	35 - 135	96	56 - 125
9215180	77	35 - 135	92	56 - 125
9215181 UNSPK	76	35 - 135	90	56 - 125
9215182 MS	92	35 - 135	104	56 - 125
9215183 MSD	85	35 - 135	105	56 - 125
9215185	87	35 - 135	101	56 - 125

EPH/Miscellaneous GC

Fraction: Custom TPH by GC with Ranges

UNSPK: 9215181 MS: 9215182 MSD: 9215183 Analyte	Batch: 172630008A (Sample number(s): 9215177-9215183, 9215185)								
	Spike Added mg/l MS/MSD	Unspiked Conc mg/l	MS Conc mg/l	MSD Conc mg/l	MS %Rec	MSD %Rec	%Rec Limits	%RPD	%RPD Limits
Total TPH	0.915 / 0.938	N.D.	0.889	0.876	97	93	36-132	2	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.

SDG: THO42
Matrix: LIQUID

EPH/Miscellaneous GC

Fraction: Custom TPH by GC with Ranges

LCS: LCS08263	Batch: 172630008A (Sample number(s): 9215177-9215183, 9215185)							
Analyte	Spike Added mg/l	LCS Conc mg/l	LCSD Conc mg/l	LCS %Rec	LCSD %Rec	%Rec Limits	%RPD	%RPD Limits
Total TPH	0.800	0.635	NA	79	NA	36-132	NA	NA

172630008A

Tech 1: WJ

Tech 2: _____

Dept: 32		Prep Analysis: 11181 Custom TPH w/ Ranges Water Ext				Custom TPH with Ranges (Water)					
QC	Sample Code	Amt (M)	SS/IS Sol.	Amt (mL)	MS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments
9215182MS	O4205	875	SS1724332D	1.0	MS1725532A	1.0	1.0	---	---	29A	Clear
9215183MSD	O4205	853	SS1724332D	1.0	MS1725532A	1.0	1.0	---	---	29A	Clear
BLANKA	PBLK08263	1010	SS1724332D	1.0			1.0	---	---	1A	
LCSA	LCS08263	1200	SS1724332D	1.0	MS1725532A	1.0	1.0	---	---	1A	

Solvent Used	Lot No.
1:1 HCl	G-110-11
Methylene Chloride	175710
Sodium Sulfate	177258A

Spike Solutions: _____ Witness: NO
 MS1725532A DRO WATER SPIKE
 SS1724332D DRO WATER SURROGATE

Sample #	Sample Code	Amt (M)	SS/IS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments	Analyses	List	Due Date	Prio	
1	9215177	O4201	982	SS1724332D	1.0	1.0	---	---	29A	Clear	02740	24604	09/29/2017	N
2	9215178	O4202	971	SS1724332D	1.0	1.0	---	---	29A	Clear	02740	24604	09/29/2017	N
3	9215179	O4203	993	SS1724332D	2.0	1.0	---	---	29A	Clear	02740	24604	09/29/2017	N
4	9215180	O4204	989	SS1724332D	1.0	1.0	---	---	29A	Clear	02740	24604	09/29/2017	N
5	9215181BKG	O4205	878	SS1724332D	1.0	1.0	---	---	29A	Clear	02740	24604	09/29/2017	N
6	9215185	O4207	985	SS1724332D	1.0	1.0	---	---	29A	Clear	02740	24604	09/29/2017	N

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Bench#	Bench#	Bench#
Rack ID:		Work Station <u>Bench 1</u>
Internal Standard		Balance # <u>25996</u>
		Micro Temp 100? <input type="checkbox"/>

R-VAP ID	C	R-VAP ID	C	R-VAP ID	C
S-bath ID	900	S-bath ID	-	N-Evap	-
		M-vap	-		

172630008A



PFAS by LC/MS/MS Data

Case Narrative/Conformance Summary

CLIENT: Eurofins Spectrum Analytical
SDG: THO42

PFAS Group

Fraction: PFAS by LC/MS/MS

Sample #	Client ID	Matrix		DF	Comments
		Liquid	Solid		
9215177	SC39221-02	X		1	
9215178	SC39221-03	X		1	
9215179	SC39221-04	X		1	
9215180	SC39221-05	X		1	
9215181	SC39221-06	X		1	Unspiked
9215182	SC39221-06MS	X		1	Matrix Spike
9215183	SC39221-06MSD	X		1	Matrix Spike Duplicate
9215184	SC39221-07	X		1	
9215185	SC39221-09	X		1	

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:

Surrogate

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

(Sample number(s): 9215177-9215182, 9215184-9215185: Analysis: 10954)

The stated QC limits are advisory only until sufficient data points can be obtained to calculate statistical limits.

Quality Control Reference List
PFAS Group

CLIENT: Eurofins Spectrum Analytical
SDG: THO42

Fraction: PFAS by LC/MS/MS

Analysis	Batch Number	Sample Number	Analysis Date
PFAS in Water by LC/MS/MS	17263005	BLK263005B	09/23/2017 07:09:00
		LCS263005Q	09/23/2017 05:47:00
		9215177	09/23/2017 07:30:00
		9215178	09/23/2017 07:50:00
		9215179	09/23/2017 08:11:00
		9215180	09/23/2017 08:31:00
		9215181 UNSPK	09/23/2017 08:52:00
		9215182 MS	09/23/2017 06:07:00
		9215183 MSD	09/23/2017 06:28:00
		9215184	09/23/2017 09:12:00
		9215185	09/23/2017 10:14:00

Fraction: PFAS by LC/MS/MS

17263005 / BLK263005B Analyte	Analysis Date	Blank Results	Units	DL	LOD	LOQ
Perfluorooctanoic acid	09/23/17	N.D.	ng/l	0.6	2	2
Perfluorononanoic acid	09/23/17	N.D.	ng/l	0.6	2	2
Perfluorodecanoic acid	09/23/17	N.D.	ng/l	0.5	2	2
Perfluoroundecanoic acid	09/23/17	N.D.	ng/l	1	3	3
Perfluorododecanoic acid	09/23/17	N.D.	ng/l	0.5	2	2
Perfluorotridecanoic acid	09/23/17	N.D.	ng/l	0.5	2	2
Perfluorotetradecanoic acid	09/23/17	N.D.	ng/l	0.5	2	2
Perfluorohexanoic acid	09/23/17	N.D.	ng/l	0.6	2	2
Perfluoroheptanoic acid	09/23/17	N.D.	ng/l	0.5	2	2
Perfluorobutanesulfonate	09/23/17	N.D.	ng/l	0.8	3	3
Perfluorohexanesulfonate	09/23/17	N.D.	ng/l	1	3	3
Perfluoro-octanesulfonate	09/23/17	N.D.	ng/l	2	6	6
Perfluorobutanoic Acid	09/23/17	N.D.	ng/l	3	10	10
Perfluoropentanoic Acid	09/23/17	N.D.	ng/l	0.5	2	2
Perfluoroheptanesulfonate	09/23/17	N.D.	ng/l	2	6	6
Perfluorodecanesulfonate	09/23/17	N.D.	ng/l	2	6	6
PFOSA	09/23/17	N.D.	ng/l	3	9	9



SDG No.: TH042
Matrix: WATER

17263005		13C2-PFDODA	13C2-PFTEDA	13C3-PFBS	13C3-PFHXS	13C4-PFBA
Limits		28-127	26-119	26-148	34-126	33-123
LAB SAMPLE ID	DATE/TIME	% Recovery	% Recovery	% Recovery	% Recovery	% Recovery
LCS263005	09/23/17 05:47	67	57	82	102	86
9215182MS	09/23/17 06:07	67	66	87	85	78
9215183MSD	09/23/17 06:28	65	61	100	88	81
BLK263005	09/23/17 07:09	72	65	76	89	79
9215177	09/23/17 07:30	65	59	96	86	75
9215178	09/23/17 07:50	62	57	91	82	77
9215179	09/23/17 08:11	65	61	79	97	75
9215180	09/23/17 08:31	56	51	78	84	76
9215181	09/23/17 08:52	64	62	81	73	74
9215184	09/23/17 09:12	60	56	79	90	81
9215185	09/23/17 10:14	68	65	90	83	77

* Outside QC Limits

SDG No.: TH042
Matrix: WATER

17263005		13C4-PFHPA	13C5-PFHXA	13C5-PFPEA	13C6-PFDA	13C7-PFUNDA
	Limits	35-126	31-128	39-135	40-115	30-128
LAB SAMPLE ID	DATE/TIME	% Recovery	% Recovery	% Recovery	% Recovery	% Recovery
LCS263005	09/23/17 05:47	84	93	74	85	74
9215182MS	09/23/17 06:07	79	79	71	82	73
9215183MSD	09/23/17 06:28	85	87	89	79	74
BLK263005	09/23/17 07:09	79	87	78	88	72
9215177	09/23/17 07:30	79	79	84	78	71
9215178	09/23/17 07:50	86	85	77	78	67
9215179	09/23/17 08:11	90	84	74	81	75
9215180	09/23/17 08:31	81	84	73	69	60
9215181	09/23/17 08:52	70	76	72	76	73
9215184	09/23/17 09:12	87	94	76	72	60
9215185	09/23/17 10:14	76	86	83	75	79

* Outside QC Limits

SDG No.: THO42
Matrix: WATER

17263005		13C8-PFOA	13C8-PFOS	13C8-PFOSA	13C9-PFNA
	Limits	43-112	43-115	70-130	32-134
LAB SAMPLE ID	DATE/TIME	% Recovery	% Recovery	% Recovery	% Recovery
LCS263005	09/23/17 05:47	81	80	76	78
9215182MS	09/23/17 06:07	72	80	67 *	70
9215183MSD	09/23/17 06:28	77	84	73	83
BLK263005	09/23/17 07:09	75	71	74	71
9215177	09/23/17 07:30	74	80	35 *	71
9215178	09/23/17 07:50	77	72	41 *	70
9215179	09/23/17 08:11	74	68	55 *	68
9215180	09/23/17 08:31	78	70	59 *	69
9215181	09/23/17 08:52	66	69	52 *	70
9215184	09/23/17 09:12	84	70	60 *	66
9215185	09/23/17 10:14	74	66	64 *	72

* Outside QC Limits

PFAS Group

Fraction: PFAS by LC/MS/MS

UNSPK: 9215181 MS: 9215182 MSD: 9215183 Analyte	Batch: 17263005 (Sample number(s): 9215177-9215185)								
	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	13.58 / 13.63	6.79	20.69	20.95	102	104	70-130	1	30
Perfluorononanoic acid	13.58 / 13.63	N.D.	16.13	15.04	119	110	70-130	7	30
Perfluorodecanoic acid	13.58 / 13.63	N.D.	13.96	15.36	103	113	70-130	10	30
Perfluoroundecanoic acid	13.58 / 13.63	N.D.	15.35	15.89	113	117	70-130	3	30
Perfluorododecanoic acid	13.58 / 13.63	N.D.	14.44	14.53	106	107	70-130	1	30
Perfluorotridecanoic acid	13.58 / 13.63	N.D.	14.05	14.04	103	103	70-130	0	30
Perfluorotetradecanoic acid	13.58 / 13.63	N.D.	13.81	15.14	102	111	70-130	9	30
Perfluorohexanoic acid	13.58 / 13.63	19.26	33.91	33.6	108	105	70-130	1	30
Perfluoroheptanoic acid	13.58 / 13.63	4.07	18.53	19.12	107	111	70-130	3	30
Perfluorobutanesulfonate	12.01 / 12.05	11.82	23.34	25.89	96	117	70-130	10	30
Perfluorohexanesulfonate	12.84 / 12.88	52.03	64.91	65.97	100 (2)	108 (2)	70-130	2	30
Perfluoro-octanesulfonate	12.98 / 13.02	15.8	28.09	27.14	95	87	70-130	3	30
Perfluorobutanoic Acid	13.58 / 13.63	7.69	21.66	23.39	103	115	70-130	8	30
Perfluoropentanoic Acid	13.58 / 13.63	9.55	25.84	24.79	120	112	70-130	4	30
Perfluoroheptanesulfonate	12.92 / 12.96	N.D.	14.94	14.77	116	114	70-130	1	30
Perfluorodecanesulfonate	13.08 / 13.12	N.D.	12.61	11.12	96	85	70-130	13	30
PFOSA	13.58 / 13.63	N.D.	12.57	14.27	93	105	70-130	13	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.

SDG: THO42
Matrix: LIQUID

PFAS Group
Fraction: PFAS by LC/MS/MS

LCS: LCS263005Q	Batch: 17263005 (Sample number(s): 9215177-9215185)							
	Analyte	Spike Added ng/l	LCS Conc ng/l	LCSD Conc ng/l	LCS %Rec	LCSD %Rec	%Rec Limits	%RPD
Perfluorooctanoic acid	13.6	13.57	NA	100	NA	70-130	NA	NA
Perfluorononanoic acid	13.6	12.24	NA	90	NA	70-130	NA	NA
Perfluorodecanoic acid	13.6	11.37	NA	84	NA	70-130	NA	NA
Perfluoroundecanoic acid	13.6	11.89	NA	87	NA	70-130	NA	NA
Perfluorododecanoic acid	13.6	12.38	NA	91	NA	70-130	NA	NA
Perfluorotridecanoic acid	13.6	12.37	NA	91	NA	70-130	NA	NA
Perfluorotetradecanoic acid	13.6	12.29	NA	90	NA	70-130	NA	NA
Perfluorohexanoic acid	13.6	12.48	NA	92	NA	70-130	NA	NA
Perfluoroheptanoic acid	13.6	13.97	NA	103	NA	70-130	NA	NA
Perfluorobutanesulfonate	12.03	10.74	NA	89	NA	70-130	NA	NA
Perfluorohexanesulfonate	12.86	11.34	NA	88	NA	70-130	NA	NA
Perfluoro-octanesulfonate	13	11.18	NA	86	NA	70-130	NA	NA
Perfluorobutanoic Acid	13.6	12.58	NA	92	NA	70-130	NA	NA
Perfluoropentanoic Acid	13.6	12.29	NA	90	NA	70-130	NA	NA
Perfluoroheptanesulfonate	12.94	9.13	NA	71	NA	70-130	NA	NA
Perfluorodecanesulfonate	13.1	9.14	NA	70	NA	70-130	NA	NA
PFOSA	13.6	12.75	NA	94	NA	70-130	NA	NA



SDG No.: TH042
Matrix: WATER

17263005		13C2-PFDA	13C2-PFOA	13C3-PFBA	13C4-PFOS
		Area	Area	Area	Area
Average ICAL Response		339765	262013	469829	148338
UPPER LIMIT		509648	393020	704744	222507
LOWER LIMIT		169883	131007	234915	74169
LAB SAMPLE ID	DATE ANALYZED				
LCS263005	09/23/17 05:47	333861	279918	566914	176648
9215182MS	09/23/17 06:07	291318	286455	543569	169562
9215183MSD	09/23/17 06:28	289540	275808	438644	149237
BLK263005	09/23/17 07:09	285816	267591	539967	167227
9215177	09/23/17 07:30	310652	293533	476678	165431
9215178	09/23/17 07:50	299338	262192	500234	159167
9215179	09/23/17 08:11	264674	243355	521418	153565
9215180	09/23/17 08:31	304353	255661	506849	149989
9215181	09/23/17 08:52	260509	284968	516811	156314
9215184	09/23/17 09:12	270889	233395	501360	149233
9215185	09/23/17 10:14	317652	286313	491535	178782

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

* Outside QC Limits

PREPARATION BENCH SHEET

1715920

FINAL COPY

* A = Analyst * W = Witness

Eurofins Spectrum Analytical, Inc. - MA

- Sodium Chloride (NaCl) 17G0504
- Ottawa Sand 17F1043
- HCL 17I0035
- Copper 17A0800
- Sodium Sulfate (Na2SO4) 17I0431
- PCB Transformer Oil 10H0132
- 1:1 H2SO4 Mix 17G1000
- Iso-octane 17B0969
- 1ml Syringe I 15A0480
- 250ul Syringe 15A0484
- 25ul Syringe III 15A0488
- 1:1 DCM-Acetone
- Florisil
- Silica gel (EPH)
- Silica gel (TPH)
- Sulfuric Acid (H2SO4)
- MTBE
- Acidified Methanol
- 37% KOH
- 1ml Syringe II
- 100ul Syringe
- 25ul Syringe IV
- pH paper

- 17I0342
- 17H0665
- 17H0891
- 17G0302
- 17C0273
- 15A0481
- 15A0485
- 15A0489
- 16A0780
- Methylene Chloride (CH2Cl2)
- Hexane (C6H14)
- Acetone (CH3COCH3)
- Methanol (CH3OH)
- Ether (C2H5OC2H5)
- Acidified Sodium Sulfate
- Sodium Hydroxide (NaOH)
- Sodium Bicarbonate
- 1ml Syringe III
- 25ul Syringe I
- 25ul Syringe V
- Chlorine Chk Strips

- 17I0401
- 17I0189
- 17I0243
- 17E0681
- 17H0567
- 17H0033
- 17G0775
- 14K0424
- 15A0482
- 15A0486
- 15A0490
- 17D0909
- Ethyl Acetate (C4H8O2)
- Aqueous Filter Paper
- Soil Filter Paper
- Gauze Wipe
- 1:1 HCl Mix
- Glass Wool
- Cupric Sulfate Pentahydrate
- 500ul Syringe
- 25ul Syringe II
- 10ul Syringe I
- Balance ID
- 14K0438
- 17A0428
- 17G0111
- 17G0179
- 15C0951
- 15A0487
- 15A0491

Matrix: Aqueous

Prepared using: SVOC - SW846 3510C

Surrogate used: 17I0082

Lab Number	Client Sample ID	Analysis	Initial (ml)	Final (ml)	Spike ID	Source ID	A * Init	W * Init	ul Spike	ul Surr	ul Surr 2	Due	Collected	Prepared	Extraction Comments	ments C	pH BASIC	pH ACID	pH Init	CL
1715920-BLK1	Blank	QC	970	10						1000			18-Sep-17 08:00	18-Sep-17						
1715920-BS1	LCS	QC	980	10	17I0075				1000	1000			18-Sep-17 08:00	18-Sep-17						
1715920-BSD1	LCS Dup	QC	980	10	17I0075				1000	1000			18-Sep-17 08:00	18-Sep-17						
1715920-DUP1	Duplicate	QC	1040	10		SC39093-02				1000			11-Sep-17 13:35	18-Sep-17	Clear yellow Cont:M					
1715920-MS1	Matrix Spike	QC	990	10	17I0075	SC39266-01			1000	1000			14-Sep-17 10:20	18-Sep-17	Cont. AK					
1715920-MS2	Matrix Spike	QC	920	10	17I0075	SC39221-06			1000	1000			13-Sep-17 11:20	18-Sep-17	Clear yellow Cont:AI					
1715920-MSD1	Matrix Spike Dup	QC	1030	10	17I0075	SC39266-01			1000	1000			14-Sep-17 10:20	18-Sep-17	Cont. AJ					
1715920-MSD2	Matrix Spike Dup	QC	950	10	17I0075	SC39221-06			1000	1000			13-Sep-17 11:20	18-Sep-17	Clear yellow Cont:AM					
SC39093-01	TF1-GT-121-091117	8081 Pesticides DoD	1040	10						1000			21-Sep-17 16	11-Sep-17 12:35	18-Sep-17	DoD Level IV/Extra Liter yellow	Clear	J		
SC39093-02	TF1-GT-119-091117	8081 Pesticides DoD	1030	10						1000			21-Sep-17 16	11-Sep-17 13:35	18-Sep-17	DoD Level IV/Extra Liter yellow	Clear	K		
SC39093-03	TF1-GZ-103-091117	8081 Pesticides DoD	1020	10						1000			21-Sep-17 16	11-Sep-17 15:50	18-Sep-17	DoD Level IV/Extra Liter orange	Cloudy	J		
SC39163-01	TF1-GT-130-091217	8081 Pesticides DoD	940	10						1000			22-Sep-17 16	12-Sep-17 12:15	18-Sep-17	DoD Level IV/Extra Liter orange	Clear	K		
SC39163-02	TF1-GT-115-091217	8081 Pesticides DoD	1040	10						1000			22-Sep-17 16	12-Sep-17 10:30	18-Sep-17	DoD Level IV/Extra Liter orange	Clear	L		
SC39163-03	TF1-GT-111-091217	8081 Pesticides DoD	1030	10						1000			22-Sep-17 16	12-Sep-17 14:15	18-Sep-17	DoD Level IV/Extra Liter		K		

S. Mateo 9/26/17
Analyst Reviewed Date

Manager Reviewed Date 9/26/17

Anthony TeB... 9/26/17
Extracts Prepared By Date

PREPARATION BENCH SHEET

* A = Analyst * W = Witness

1715920

Eurofins Spectrum Analytical, Inc. - MA

Prepared using: SVOC - SW846 3510C

Surrogate used: 1710082

Matrix: Aqueous

Lab Number	Client Sample ID	Analysis	Initial (ml)	Final (ml)	Spike ID	Source ID	A * Init	W * Init	ul Spike	ul Surr	ul Surr 2	Due	Collected	Prepared	Extraction Comments	C	pH		pH Init	CL	
																	BASIC	ACID			
SC39163-04	TF1-GT-118-091217	8081 Pesticides DoD	1000	10						1000		22-Sep-17 16	12-Sep-17 10:20	18-Sep-17	DoD Level IV/Extra Liter yellow	Clear	L				
SC39163-05	TF1-DUP-03-091217	8081 Pesticides DoD	1020	10						1000		22-Sep-17 16	12-Sep-17 12:00	18-Sep-17	DoD Level IV/Extra Liter orange	Clear	L				
SC39163-06	TF1-MW-1004-091217	8081 Pesticides DoD	1040	10						1000		22-Sep-17 16	12-Sep-17 15:10	18-Sep-17	DoD Level IV/Extra Liter		L				
SC39221-01	TF1-GZ-106-091317	8081 Pesticides DoD	1040	10						1000		25-Sep-17 16	13-Sep-17 08:25	18-Sep-17	DoD Level IV/Extra Liter		A				
SC39221-02	TF1-GT-117-091317	8081 Pesticides DoD	1000	10						1000		25-Sep-17 16	13-Sep-17 09:50	18-Sep-17	DoD Level IV/Extra Liter orange	Clear	L				
SC39221-03	TF1-GT-108-091317	8081 Pesticides DoD	1010	10						1000		25-Sep-17 16	13-Sep-17 14:30	18-Sep-17	DoD Level IV/Extra Liter		J				
SC39221-04	TF1-MW-1008-091317	8081 Pesticides DoD	1040	10						1000		25-Sep-17 16	13-Sep-17 13:20	18-Sep-17	DoD Level IV/Extra Liter yellow	Clear	L				
SC39221-05	TF1-DUP-04-091317	8081 Pesticides DoD	1040	10						1000		25-Sep-17 16	13-Sep-17 14:30	18-Sep-17	DoD Level IV/Extra Liter yellow	Clear	K				
SC39221-06	TF1-MW-7-091317	8081 Pesticides DoD	960	10						1000		25-Sep-17 16	13-Sep-17 11:20	18-Sep-17	Run MS/MSD/DoD Level IV/Extra Liter Clear yellow		AK				
SC39266-01	TF1-GT-136B-091417	8081 Pesticides DoD	1060	10						1000		26-Sep-17 16	14-Sep-17 10:20	18-Sep-17	Run MS/MSD/DoD Level IV/Extra Liter		AC				
SC39266-02	Grab-WILLH-091417	8081 Pesticides DoD	950	10						1000		26-Sep-17 16	14-Sep-17 15:10	18-Sep-17	DoD Level IV/Extra Liter		L				

S. Malaga 9/26/17
Analyst Reviewed Date

[Signature] 9/26/17
Manager Reviewed Date

Anthony Fern 9/26/17
Extracts Prepared By Date

**FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY**

SW846 8081B

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708093

Instrument: HPS17

Calibration: 1709047

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Cal Standard	S708093-CAL1	AA170924.D	09/24/17 12:10
Cal Standard	S708093-CAL2	AB170924.D	09/24/17 12:29
Cal Standard	S708093-CAL3	AC170924.D	09/24/17 12:48
Cal Standard	S708093-CAL4	AD170924.D	09/24/17 13:06
Cal Standard	S708093-CAL5	AE170924.D	09/24/17 13:25
Initial Cal Check	S708093-ICV1	AF170924.D	09/24/17 13:43
Low Cal Check	S708093-LCV1	AG170924.D	09/24/17 14:02
Cal Standard	S708093-CAL6	AH170924.D	09/24/17 14:20
Cal Standard	S708093-CAL7	AI170924.D	09/24/17 14:39
Cal Standard	S708093-CAL8	AJ170924.D	09/24/17 14:57
Cal Standard	S708093-CAL9	AK170924.D	09/24/17 15:16
Cal Standard	S708093-CALA	AL170924.D	09/24/17 15:34
Initial Cal Check	S708093-ICV2	AM170924.D	09/24/17 15:53
Low Cal Check	S708093-LCV2	AN170924.D	09/24/17 16:11
Cal Standard	S708093-CALB	AP170924.D	09/24/17 16:30
Cal Standard	S708093-CALC	AQ170924.D	09/24/17 16:48
Cal Standard	S708093-CALD	AR170924.D	09/24/17 17:07
Cal Standard	S708093-CALE	AS170924.D	09/24/17 17:26
Cal Standard	S708093-CALF	AT170924.D	09/24/17 17:44
Initial Cal Check	S708093-ICV3	AU170924.D	09/24/17 18:03
Low Cal Check	S708093-LCV3	AV170924.D	09/24/17 18:21

**FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY**

SW846 8081B

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708605

Instrument: HPS17

Calibration: 1709047

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Performance Mix	S708605-PEM1	G1170927.D	09/27/17 17:57
Calibration Check	S708605-CCV1	C1170927.D	09/27/17 18:15
Calibration Check	S708605-CCV2	Y1170927.D	09/27/17 18:34
Calibration Check	S708605-CCV3	T1170927.D	09/27/17 18:52
Instrument Blank	S708605-IBL1	I1170927.D	09/27/17 19:11
Blank	1715920-BLK1	B1170927.D	09/27/17 19:29
LCS	1715920-BS1	L1170927.D	09/27/17 19:48
LCS Dup	1715920-BSD1	L2170927.D	09/27/17 20:07
TF1-MW-7-091317	1715920-MS2	M2170927.D	09/27/17 21:02
TF1-MW-7-091317	1715920-MSD2	M4170927.D	09/27/17 21:39
Performance Mix	S708605-PEM2	G2170927.D	09/27/17 22:35
Calibration Check	S708605-CCV4	C2170927.D	09/27/17 22:53
Instrument Blank	S708605-IBL2	I2170926.D	09/27/17 23:12
TF1-GZ-106-091317	SC39221-01	3922101Z.D	09/28/17 01:41
TF1-GT-117-091317	SC39221-02	3922102Z.D	09/28/17 01:59
TF1-GT-108-091317	SC39221-03	3922103Z.D	09/28/17 02:18
Performance Mix	S708605-PEM3	G3170927.D	09/28/17 02:36
Calibration Check	S708605-CCV7	C3170927.D	09/28/17 02:55
Calibration Check	S708605-CCV5	Y3170927.D	09/28/17 03:14
Calibration Check	S708605-CCV6	T3170927.D	09/28/17 03:32
Instrument Blank	S708605-IBL3	I3170927.D	09/28/17 03:51
TF1-MW-1008-091317	SC39221-04	3922104Z.D	09/28/17 04:09
TF1-DUP-04-091317	SC39221-05	3922105Z.D	09/28/17 04:28
TF1-MW-7-091317	SC39221-06	3922106Z.D	09/28/17 04:47
Performance Mix	S708605-PEM4	G4170927.D	09/28/17 05:42
Calibration Check	S708605-CCV8	C4170927.D	09/28/17 06:01
Instrument Blank	S708605-IBL4	I4170927.D	09/28/17 06:57

SW846 6010C

CROSS REFERENCE TABLE

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112G08005-WE15

Client Sample ID:	Lab Sample ID:
<u>TF1-GT-117-091317</u>	<u>SC39221-02</u>
<u>TF1-GT-108-091317</u>	<u>SC39221-03</u>
<u>TF1-MW-1008-091317</u>	<u>SC39221-04</u>
<u>TF1-DUP-04-091317</u>	<u>SC39221-05</u>
<u>TF1-MW-7-091317</u>	<u>SC39221-06</u>
<u>TF1-MW-7-091317</u>	<u>SC39221-06RE1</u>
<u>TF1-GT-125-091317</u>	<u>SC39221-09</u>

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport / 112G08005-WE15

SDG #: SC39221

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SW846 6010C.

IV. PREPARATION

Aqueous samples were prepared according to SW846 3005A.

V. INSTRUMENTATION

The following equipment was used to analyze SW846 6010C:

ICAP5 details: Thermo ICAP 6000 series CETAC Autosampler

All sample data within this SDG was generated after ICP-AES interelement corrections and background corrections were applied.

Samples are diluted when concentrations exceed the highest calibration standard in the associated curve, therefore Linear Ranges are not performed.

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria with the following exceptions:

In sample S708796-CRL1:

Low level calibration check failed, reporting limit has been elevated.

Iron

In sample S708828-CRL3:

Low level calibration check failed, reporting limit has been elevated.

Iron

In sample S708828-CRL5:

Low level calibration check failed, reporting limit has been elevated.

Iron

In sample S708796-ICV1:

QC recovery was outside of acceptance range however it was re-run before samples were run and was within the control limits.

Iron

In sample S708796-ICV1:

Analyte percent recovery is outside individual acceptance criteria (90-110).

Iron (111%)

This affected the following samples:

S708796-CCV1

B. Blanks:

All blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1716317 from source sample TF1-MW-7-091317 (SC39221-06).

In batch 1716540 from source sample TF1-MW-7-091317 (SC39221-06).

All method criteria were met with the following exceptions:

Magnesium in batch 1716317, lab sample 1716317-MSD1 from source sample TF1-MW-7-091317 (SC39221-06): The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and /or LCS recovery.

Iron in batch 1716540, lab sample 1716540-MSD1 from source sample TF1-MW-7-091317 (SC39221-06): The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCS recoveries within the acceptance limits.

3. Post Spike Samples (PS):

A post spike was analyzed.

In batch 1716317 from source sample TF1-MW-7-091317 (SC39221-06).

In batch 1716540 from source sample TF1-MW-7-091317 (SC39221-06).

All method criteria were met with the following exceptions:

Iron in batch 1716540, lab sample 1716540-PS1 from source sample TF1-MW-7-091317 (SC39221-06): The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

D. Duplicates:

A duplicate was analyzed.

In batch 1716317 from source sample TF1-MW-7-091317 (SC39221-06).

In batch 1716540 from source sample TF1-MW-7-091317 (SC39221-06).

All method criteria were met with the following exceptions:

Iron in batch 1716540, sample 1716540-DUP1 from source sample TF1-MW-7-091317 (SC39221-06): MRL raised to correlate to batch QC reporting limits.

E. Serial Dilutions:

All quality control criteria were met.

F. Samples:

All method criteria were met with the following exceptions:

Iron in batch 1716540, samples TF1-DUP-04-091317 (SC39221-05), TF1-GT-108-091317 (SC39221-03), TF1-GT-117-091317 (SC39221-02), TF1-GT-125-091317 (SC39221-09), TF1-MW-1008-091317 (SC39221-04), TF1-MW-7-091317 (SC39221-06): MRL raised to correlate to batch QC reporting limits.

FORM III - BLANKS**SW846 6010C**Laboratory: Eurofins Spectrum Analytical, Inc. - MASDG: SC39221Client: Tetra Tech, Inc. - Salem, NHProject: WE15 Tank Farm 1 NAVSTA NewportInstrument ID: ICAP5Calibration: 1710008Sequence: S708828

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S708828-CCB8	Calcium	BRL	0.200	mg/l	U	SW846 6010C
	Magnesium	BRL	0.0200	mg/l	U	SW846 6010C
1716317-BLK1	Sodium	0.131	0.500	mg/l	J	SW846 6010C
	Aluminum	BRL	0.0500	mg/l	U	SW846 6010C
	Calcium	BRL	0.200	mg/l	U	SW846 6010C
	Magnesium	BRL	0.0200	mg/l	U	SW846 6010C
S708828-CCB9	Sodium	BRL	0.500	mg/l	U	SW846 6010C
	Aluminum	BRL	0.0500	mg/l	U	SW846 6010C
	Calcium	BRL	0.200	mg/l	U	SW846 6010C
	Magnesium	BRL	0.0200	mg/l	U	SW846 6010C
S708828-CCBA	Sodium	BRL	0.500	mg/l	U	SW846 6010C
	Aluminum	BRL	0.0500	mg/l	U	SW846 6010C
	Calcium	BRL	0.200	mg/l	U	SW846 6010C
	Magnesium	BRL	0.0200	mg/l	U	SW846 6010C
S708828-CCBB	Sodium	BRL	0.500	mg/l	U	SW846 6010C
	Aluminum	BRL	0.0500	mg/l	U	SW846 6010C
	Calcium	0.0161	0.200	mg/l	J	SW846 6010C
	Magnesium	BRL	0.0200	mg/l	U	SW846 6010C
S708828-CCBC	Sodium	BRL	0.500	mg/l	U	SW846 6010C
	Aluminum	BRL	0.0500	mg/l	U	SW846 6010C
	Calcium	BRL	0.200	mg/l	U	SW846 6010C
	Magnesium	BRL	0.0200	mg/l	U	SW846 6010C
S708828-CCBD	Sodium	BRL	0.500	mg/l	U	SW846 6010C
	Aluminum	BRL	0.0500	mg/l	U	SW846 6010C
	Calcium	0.025	0.200	mg/l	J	SW846 6010C
	Magnesium	BRL	0.0200	mg/l	U	SW846 6010C

FORM III - BLANKS**SW846 6010C**Laboratory: Eurofins Spectrum Analytical, Inc. - MASDG: SC39221Client: Tetra Tech, Inc. - Salem, NHProject: WE15 Tank Farm 1 NAVSTA NewportInstrument ID: ICAP5Calibration: 1711058Sequence: S710437

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S710437-ICB1	Iron	BRL	0.0300	mg/l	U	SW846 6010C
	Potassium	BRL	1.00	mg/l	U	SW846 6010C
S710437-CCB1	Iron	BRL	0.0300	mg/l	U	SW846 6010C
	Potassium	BRL	1.00	mg/l	U	SW846 6010C

FORM III - BLANKS**SW846 6010C**Laboratory: Eurofins Spectrum Analytical, Inc. - MASDG: SC39221Client: Tetra Tech, Inc. - Salem, NHProject: WE15 Tank Farm 1 NAVSTA NewportInstrument ID: ICAP5Calibration: 1711058Sequence: S710438

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S710438-CCB1	Iron	BRL	0.0300	mg/l	U	SW846 6010C
	Potassium	BRL	1.00	mg/l	U	SW846 6010C
S710438-CCB2	Iron	BRL	0.0300	mg/l	U	SW846 6010C
	Potassium	BRL	1.00	mg/l	U	SW846 6010C
S710438-CCB3	Iron	BRL	0.0300	mg/l	U	SW846 6010C
	Potassium	BRL	1.00	mg/l	U	SW846 6010C
S710438-CCB4	Iron	BRL	0.0300	mg/l	U	SW846 6010C
	Potassium	BRL	1.00	mg/l	U	SW846 6010C
S710438-CCB5	Iron	BRL	0.0300	mg/l	U	SW846 6010C
	Potassium	BRL	1.00	mg/l	U	SW846 6010C
1716540-BLK1	Iron	BRL	0.0800	mg/l	U	SW846 6010C
	Potassium	BRL	1.00	mg/l	U	SW846 6010C
S710438-CCB6	Iron	BRL	0.0300	mg/l	U	SW846 6010C
	Potassium	BRL	1.00	mg/l	U	SW846 6010C
S710438-CCB7	Iron	BRL	0.0300	mg/l	U	SW846 6010C
	Potassium	BRL	1.00	mg/l	U	SW846 6010C
S710438-CCB8	Iron	BRL	0.0300	mg/l	U	SW846 6010C
	Potassium	BRL	1.00	mg/l	U	SW846 6010C

FORM IV - ICP INTERFERENCE CHECK SAMPLE

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Instrument ID: ICAP5

Calibration: 1710008

Sequence: S708828

Units: mg/l

Lab Sample ID	Analyte	True	Found	%R
S708828-IFA1	Iron	100	102.60000	103
	Magnesium	250	237.10000	95
	Iron	100	102.60000	103
	Sodium		0.05760	
	Aluminum	250	246.20000	98
	Aluminum	250	246.20000	98
	Calcium	250	254.40000	102
	Calcium	250	254.40000	102
	Magnesium	250	237.10000	95
S708828-IFB1	Iron	100	99.02000	99
	Magnesium	250	227.70000	91
	Iron	100	99.02000	99
	Sodium		0.05600	
	Aluminum	250	235.80000	94
	Aluminum	250	235.80000	94
	Calcium	250	246.10000	98
	Calcium	250	246.10000	98
	Magnesium	250	227.70000	91
S708828-IFA2	Iron	100	103.70000	104
	Magnesium	250	241.10000	96
	Iron	100	103.70000	104
	Sodium		0.03970	
	Aluminum	250	248.80000	100
	Aluminum	250	248.80000	100
	Calcium	250	256.80000	103
	Calcium	250	256.80000	103
	Magnesium	250	241.10000	96
S708828-IFB2	Iron	100	100.30000	100
	Magnesium	250	231.90000	93
	Iron	100	100.30000	100

FORM IV - ICP INTERFERENCE CHECK SAMPLE

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Instrument ID: ICAP5

Calibration: 1710008

Sequence: S708828

Units: mg/l

Lab Sample ID	Analyte	True	Found	%R
S708828-IFB2	Sodium		0.04180	
	Aluminum	250	239.50000	96
	Aluminum	250	239.50000	96
	Calcium	250	248.30000	99
	Calcium	250	248.30000	99
	Magnesium	250	231.90000	93
S708828-IFA3	Iron	100	99.17000	99
	Magnesium	250	225.40000	90
	Iron	100	99.17000	99
	Sodium		0.01980	
	Aluminum	250	230.00000	92
	Aluminum	250	230.00000	92
	Calcium	250	249.50000	100
	Calcium	250	249.50000	100
	Magnesium	250	225.40000	90
S708828-IFB3	Iron	100	99.13000	99
	Magnesium	250	224.90000	90
	Iron	100	99.13000	99
	Sodium		0.02490	
	Aluminum	250	229.00000	92
	Aluminum	250	229.00000	92
	Calcium	250	247.80000	99
	Calcium	250	247.80000	99
	Magnesium	250	224.90000	90
S708828-IFA4	Iron	100	98.91000	99
	Magnesium	250	226.30000	91
	Sodium		0.05010	
	Aluminum	250	234.20000	94
	Aluminum	250	234.20000	94
	Calcium	250	252.00000	101

FORM IV - ICP INTERFERENCE CHECK SAMPLE

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Instrument ID: ICAP5

Calibration: 1710008

Sequence: S708828

Units: mg/l

Lab Sample ID	Analyte	True	Found	%R
S708828-IFA4	Calcium	250	252.00000	101
	Magnesium	250	226.30000	91
S708828-IFB4	Iron	100	101.00000	101
	Magnesium	250	231.50000	93
	Sodium		0.04900	
	Aluminum	250	239.80000	96
	Aluminum	250	239.80000	96
	Calcium	250	253.30000	101
	Calcium	250	253.30000	101
	Magnesium	250	231.50000	93
S708828-IFA5	Iron	100	102.20000	102
	Magnesium	250	237.20000	95
	Sodium		0.04620	
	Aluminum	250	246.40000	99
	Aluminum	250	246.40000	99
	Calcium	250	255.70000	102
	Calcium	250	255.70000	102
	Magnesium	250	237.20000	95
S708828-IFB5	Iron	100	101.30000	101
	Magnesium	250	232.70000	93
	Sodium		0.04520	
	Aluminum	250	240.80000	96
	Aluminum	250	240.80000	96
	Calcium	250	253.60000	101
	Calcium	250	253.60000	101
	Magnesium	250	232.70000	93
S708828-IFA6	Iron	100	99.13000	99
	Magnesium	250	230.60000	92
	Sodium		0.05700	
	Aluminum	250	239.60000	96

FORM IV - ICP INTERFERENCE CHECK SAMPLE

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Instrument ID: ICAP5

Calibration: 1710008

Sequence: S708828

Units: mg/l

Lab Sample ID	Analyte	True	Found	%R	
S708828-IFA6	Aluminum	250	239.60000	96	
	Calcium	250	248.30000	99	
	Calcium	250	248.30000	99	
	Magnesium	250	230.60000	92	
S708828-IFB6	Iron	100	98.15000	98	
	Magnesium	250	223.30000	89	
	Sodium		0.05040		
	Aluminum	250	231.10000	92	
	Aluminum	250	231.10000	92	
	Calcium	250	247.70000	99	
	Calcium	250	247.70000	99	
	Magnesium	250	223.30000	89	
	S708828-IFA7	Iron	100	98.92000	99
		Magnesium	250	228.50000	91
Sodium			0.05280		
Aluminum		250	238.00000	95	
Aluminum		250	238.00000	95	
Calcium		250	249.70000	100	
Calcium		250	249.70000	100	
Magnesium		250	228.50000	91	
S708828-IFB7		Iron	100	99.37000	99
		Magnesium	250	231.00000	92
	Sodium		0.05510		
	Aluminum	250	241.30000	97	
	Aluminum	250	241.30000	97	
	Calcium	250	248.70000	99	
	Calcium	250	248.70000	99	
	Magnesium	250	231.00000	92	

* Values outside of QC limits (Acceptance Limits: +/- 20% of the true value or +/- 2xMRL)

FORM IV - ICP INTERFERENCE CHECK SAMPLE

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Instrument ID: ICAP5

Calibration: 1711058

Sequence: S710438

Units: mg/l

Lab Sample ID	Analyte	True	Found	%R
S710438-IFA1	Iron	100	101.10000	101
	Magnesium	250	233.50000	93
	Iron	100	101.10000	101
	Potassium		-0.04250	
	Aluminum	250	252.80000	101
	Calcium	250	250.30000	100
S710438-IFB1	Iron	100	102.50000	102
	Magnesium	250	231.40000	93
	Iron	100	102.50000	102
	Potassium		-0.04270	
	Aluminum	250	245.20000	98
	Calcium	250	251.90000	101
S710438-IFA2	Iron	100	100.20000	100
	Magnesium	250	229.60000	92
	Iron	100	100.20000	100
	Potassium		-0.03510	
	Aluminum	250	248.20000	99
	Calcium	250	247.70000	99
S710438-IFB2	Iron	100	98.56000	99
	Magnesium	250	227.90000	91
	Iron	100	98.56000	99
	Potassium		-0.03380	
	Aluminum	250	246.90000	99
	Calcium	250	247.00000	99
S710438-IFA3	Iron	100	97.76000	98
	Magnesium	250	226.80000	91
	Iron	100	97.76000	98
	Potassium		-0.05410	
	Aluminum	250	244.90000	98
	Calcium	250	246.20000	98

FORM IV - ICP INTERFERENCE CHECK SAMPLE

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Instrument ID: ICAP5

Calibration: 1711058

Sequence: S710438

Units: mg/l

Lab Sample ID	Analyte	True	Found	%R
S710438-IFB3	Iron	100	96.88000	97
	Magnesium	250	227.90000	91
	Iron	100	96.88000	97
	Potassium		-0.03890	
	Aluminum	250	248.70000	99
S710438-IFA4	Calcium	250	243.80000	98
	Iron	100	97.54000	98
	Magnesium	250	231.80000	93
	Iron	100	97.54000	98
	Potassium		-0.06110	
S710438-IFB4	Aluminum	250	254.70000	102
	Calcium	250	246.60000	99
	Iron	100	98.34000	98
	Magnesium	250	226.80000	91
	Iron	100	98.34000	98
	Potassium		-0.06010	
	Aluminum	250	243.20000	97
	Calcium	250	246.80000	99

* Values outside of QC limits (Acceptance Limits: +/- 20% of the true value or +/- 2xMRL)

FORM Vb - POST DIGEST SPIKE SAMPLE RECOVERY

TF1-MW-7-091317

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Laboratory ID: 1716317-PS1

Batch: 1716317

Lab Source ID: SC39221-06

Preparation: SW846 3005A

Initial/Final: 50 ml / 50 ml

Source Sample Name: TF1-MW-7-091317

% Solids:

Analyte	Control Limit %R	Spike Sample Result (SSR) (mg/l)	Sample Result (SR) (mg/l)	Spike Added (SA) (mg/l)	%R	Method
Sodium	80 - 120	21.1	9.30	12.5	95	SW846 6010C
Aluminum	80 - 120	2.72	BRL	2.50	109	SW846 6010C
Calcium	80 - 120	24.9	12.1	12.5	102	SW846 6010C
Magnesium	80 - 120	8.84	6.63	2.50	89	SW846 6010C

* Values outside of QC limits

FORM Vb - POST DIGEST SPIKE SAMPLE RECOVERY

TF1-MW-7-091317

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Laboratory ID: 1716540-PS1

Batch: 1716540

Lab Source ID: SC39221-06

Preparation: SW846 3005A

Initial/Final: 50 ml / 50 ml

Source Sample Name: TF1-MW-7-091317

% Solids:

Analyte	Control Limit %R	Spike Sample Result (SSR) (mg/l)	Sample Result (SR) (mg/l)	Spike Added (SA) (mg/l)	%R	Method
Iron	80 - 120	23.8	21.9	2.50	74 *	SW846 6010C
Potassium	80 - 120	25.0	0.572	25.0	98	SW846 6010C

* Values outside of QC limits

FORM IIIc - DUPLICATES

TF1-MW-7-091317

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Laboratory ID: 1716317-DUP1

Batch: 1716317

Lab Source ID: SC39221-06

Preparation: SW846 3005A

Initial/Final: 50 ml / 50 ml

Source Sample Name: TF1-MW-7-091317

% Solids:

File ID: 20170926-113

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/l)	C	DUPLICATE CONCENTRATION (mg/l)	C	RPD %	Q	METHOD
Sodium	20	9.30		8.73		6		SW846 6010C
Aluminum	20	BRL		BDL				SW846 6010C
Calcium	20	12.1		11.6		4		SW846 6010C
Magnesium	20	6.63		6.19		7		SW846 6010C

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IIIc - DUPLICATES**TF1-MW-7-091317****SW846 6010C**Laboratory: Eurofins Spectrum Analytical, Inc. - MASDG: SC39221Client: Tetra Tech, Inc. - Salem, NHProject: WE15 Tank Farm 1 NAVSTA NewportMatrix: AqueousLaboratory ID: 1716540-DUP1Batch: 1716540Lab Source ID: SC39221-06Preparation: SW846 3005AInitial/Final: 50 ml / 50 mlSource Sample Name: TF1-MW-7-091317

% Solids:

File ID: 20170929-090

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/l)	C	DUPLICATE CONCENTRATION (mg/l)	C	RPD %	Q	METHOD
Iron	20	21.9		21.4		2		SW846 6010C
Potassium	20	0.572		0.530		8		SW846 6010C

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 6010C

Laboratory: <u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG: <u>SC39221</u>
Client: <u>Tetra Tech, Inc. - Salem, NH</u>	Project: <u>WE15 Tank Farm 1 NAVSTA Newport</u>
Matrix: <u>Aqueous</u>	Instrument: <u>ICAP5</u>
Batch: <u>1716317</u>	Laboratory ID: <u>1716317-BS1</u>
Preparation: <u>SW846 3005A</u>	Initial/Final: <u>50 ml / 50 ml</u>
Analyzed: <u>09/26/17 21:35</u>	Spike ID: <u>1710705</u>
	File ID: <u>20170926-105</u>

COMPOUND	SPIKE ADDED (mg/l)	LCS CONCENTRATION (mg/l)	LCS % REC. #	QC LIMITS REC.
Sodium	12.5	12.0	96	87 - 115
Aluminum	2.50	2.63	105	86 - 115
Calcium	12.5	13.2	106	87 - 113
Magnesium	2.50	2.54	101	85 - 113

File ID: 20170926-106

COMPOUND	SPIKE ADDED (mg/l)	LCSD CONCENTRATION (mg/l)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Sodium	12.5	12.2	98	1	20	87 - 115
Aluminum	2.50	2.72	109	3	20	86 - 115
Calcium	12.5	13.5	108	2	20	87 - 113
Magnesium	2.50	2.55	102	0.4	20	85 - 113

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 6010C

Laboratory: <u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG: <u>SC39221</u>
Client: <u>Tetra Tech, Inc. - Salem, NH</u>	Project: <u>WE15 Tank Farm 1 NAVSTA Newport</u>
Matrix: <u>Aqueous</u>	Instrument: <u>ICAP5</u>
Batch: <u>1716540</u>	Laboratory ID: <u>1716540-BS1</u>
Preparation: <u>SW846 3005A</u>	Initial/Final: <u>50 ml / 50 ml</u>
Analyzed: <u>09/29/17 18:42</u>	Spike ID: <u>17H1034</u>
	File ID: <u>20170929-082</u>

COMPOUND	SPIKE ADDED (mg/l)	LCS CONCENTRATION (mg/l)	LCS % REC. #	QC LIMITS REC.
Iron	2.50	2.76	110	87 - 115
Potassium	25.0	24.6	98	86 - 114

File ID: 20170929-083

COMPOUND	SPIKE ADDED (mg/l)	LCSD CONCENTRATION (mg/l)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Iron	2.50	2.72	109	2	20	87 - 115
Potassium	25.0	24.3	97	1	20	86 - 114

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IIIb (Organic) / FORM V (Inorganic)
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

TF1-MW-7-091317

SW846 6010C

Laboratory: <u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG: <u>SC39221</u>
Client: <u>Tetra Tech, Inc. - Salem, NH</u>	Project: <u>WE15 Tank Farm 1 NAVSTA Newport</u>
Matrix: <u>Aqueous</u>	Instrument: <u>ICAP5</u>
Batch: <u>1716317</u>	Laboratory ID: <u>1716317-MS1</u>
Preparation: <u>SW846 3005A</u>	Initial/Final: <u>50 ml / 50 ml</u>
Source Sample Name: <u>TF1-MW-7-091317</u>	% Solids:
	Spike ID: <u>1710705</u>
	File ID: <u>20170926-116</u>

COMPOUND	SPIKE ADDED (mg/l)	SAMPLE CONCENTRATION (mg/l)	MS CONCENTRATION (mg/l)	MS % REC. #	QC LIMITS REC.
Sodium	12.5	9.30	21.1	95	87 - 115
Aluminum	2.50	BRL	2.68	107	86 - 115
Calcium	12.5	12.1	25.2	105	87 - 113
Magnesium	2.50	6.63	8.92	92	85 - 113

File ID: 20170926-117

COMPOUND	SPIKE ADDED (mg/l)	MSD CONCENTRATION (mg/l)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Sodium	12.5	20.4	89	3	20	87 - 115
Aluminum	2.50	2.63	105	2	20	86 - 115
Calcium	12.5	24.8	102	2	20	87 - 113
Magnesium	2.50	8.50	75 *	5	20	85 - 113

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM IIIb (Organic) / FORM V (Inorganic)
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

TF1-MW-7-091317

SW846 6010C

Laboratory: <u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG: <u>SC39221</u>
Client: <u>Tetra Tech, Inc. - Salem, NH</u>	Project: <u>WE15 Tank Farm 1 NAVSTA Newport</u>
Matrix: <u>Aqueous</u>	Instrument: <u>ICAP5</u>
Batch: <u>1716540</u>	Laboratory ID: <u>1716540-MS1</u>
Preparation: <u>SW846 3005A</u>	Initial/Final: <u>50 ml / 50 ml</u>
Source Sample Name: <u>TF1-MW-7-091317</u>	% Solids:
	Spike ID: <u>17H1034</u>
	File ID: <u>20170929-093</u>

COMPOUND	SPIKE ADDED (mg/l)	SAMPLE CONCENTRATION (mg/l)	MS CONCENTRATION (mg/l)	MS % REC. #	QC LIMITS REC.
Iron	2.50	21.9	24.4	99	87 - 115
Potassium	25.0	0.572	24.9	97	86 - 114

File ID: 20170929-094

COMPOUND	SPIKE ADDED (mg/l)	MSD CONCENTRATION (mg/l)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Iron	2.50	24.1	86 *	1	20	87 - 115
Potassium	25.0	25.1	98	1	20	86 - 114

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM VIII - SERIAL DILUTION

SW846 6010C

TF1-MW-7-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708828

Laboratory ID: S708828-SRD5

Preparation: 1716317

Lab Source ID: SC39221-06

Source Sample Name: TF1-MW-7-091317

Initial/Final: 50 / 50

% Solids:

Units: mg/l

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method	QC Limits % Difference
Sodium	9.30		9.22		0.9		SW846 6010C	10
Aluminum	BRL		BRL				SW846 6010C	10
Calcium	12.1		12.5		3		SW846 6010C	10
Magnesium	6.63		6.60		0.5		SW846 6010C	10

* Values outside of QC limits

FORM VIII - SERIAL DILUTION

SW846 6010C

<u>TF1-MW-7-091317</u>

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Laboratory ID: S710438-SRD3

Sequence: S710438

Lab Source ID: SC39221-06

Preparation: 1716544

Initial/Final: 50 / 50

Source Sample Name: TF1-MW-7-091317

% Solids:

Units: mg/l

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method	QC Limits % Difference
Iron	21.9		22.5		3		SW846 6010C	10
Potassium	BRL		BRL				SW846 6010C	10

* Values outside of QC limits

Organic/FORM IX(Inorganic) - METHOD DETECTION AND REPORTING LIMITS

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Analyte	MDL	MRL	Units
Iron	0.0089	0.0300	mg/l
	0.0089	0.0300	mg/l
Magnesium	0.0088	0.0200	mg/l
Potassium	0.120	1.00	mg/l
Sodium	10.8	25.0	mg/kg
	0.0785	0.500	mg/l
Aluminum	1.14	5.00	mg/kg
	0.0206	0.0500	mg/l
	0.0206	0.0500	mg/l
Calcium	5.12	25.0	mg/kg
	0.0142	0.200	mg/l
	0.0142	0.200	mg/l
Iron	2.06	4.00	mg/kg
Magnesium	1.44	5.00	mg/kg
	0.0088	0.0200	mg/l

**FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY**

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708796

Instrument: ICAP5

Calibration: 1710008

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Cal Standard	S708796-CAL1	20170926-001	09/26/17 11:39
Cal Standard	S708796-CAL2	20170926-002	09/26/17 11:43
Cal Standard	S708796-CAL3	20170926-003	09/26/17 11:47
Cal Standard	S708796-CAL4	20170926-004	09/26/17 11:51
Cal Standard	S708796-CAL5	20170926-005	09/26/17 11:54
Cal Standard	S708796-CAL6	20170926-006	09/26/17 11:58
Cal Standard	S708796-CAL7	20170926-007	09/26/17 12:02
Cal Standard	S708796-CAL8	20170926-008	09/26/17 12:06
Cal Standard	S708796-CAL9	20170926-009	09/26/17 12:11
Initial Cal Check	S708796-ICV1	20170926-010	09/26/17 12:23
Initial Cal Blank	S708796-ICB1	20170926-011	09/26/17 12:27
Instrument RL Check	S708796-CRL1	20170926-012	09/26/17 12:33
Instrument RL Check	S708796-CRL2	20170926-013	09/26/17 12:38
Calibration Check	S708796-CCV1	20170926-016	09/26/17 12:53
Calibration Blank	S708796-CCB1	20170926-017	09/26/17 12:58
Initial Cal Check	S708796-ICV2	20170926-018	09/26/17 13:13

METALS ANALYSIS RUN LOG

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708796

Instrument: ICAP5

Calibration: 1710008

Sample Name	Lab ID	D/F	Time	Analytes																									
				A L	S B	A S	B A	B E	C D	C A	C O	C R	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	S U	T L	V	Z N		
Cal Standard	S708796-CAL1	1	09/26/17 11:39	X					X				X	X								X							
Cal Standard	S708796-CAL2	1	09/26/17 11:43	X					X				X	X								X							
Cal Standard	S708796-CAL3	1	09/26/17 11:47	X					X				X	X								X							
Cal Standard	S708796-CAL4	1	09/26/17 11:51	X					X				X	X								X							
Cal Standard	S708796-CAL5	1	09/26/17 11:54	X					X				X	X								X							
Cal Standard	S708796-CAL6	1	09/26/17 11:58	X					X				X	X								X							
Cal Standard	S708796-CAL7	1	09/26/17 12:02	X					X				X	X								X							
Cal Standard	S708796-CAL8	1	09/26/17 12:06	X					X				X	X								X							
Cal Standard	S708796-CAL9	1	09/26/17 12:11	X					X				X									X							
Initial Cal Check	S708796-ICV1	1	09/26/17 12:23	X					X				X	X								X							
Initial Cal Blank	S708796-ICB1	1	09/26/17 12:27	X					X				X	X								X							
Instrument RL Check	S708796-CRL1	1	09/26/17 12:33	X					X				X	X								X							
Instrument RL Check	S708796-CRL2	1	09/26/17 12:38	X					X				X	X								X							
Calibration Check	S708796-CCV1	1	09/26/17 12:53	X					X				X	X								X							
Calibration Blank	S708796-CCB1	1	09/26/17 12:58	X					X				X	X								X							
Initial Cal Check	S708796-ICV2	1	09/26/17 13:13										X																

**FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY**

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708828

Instrument: ICAP5

Calibration: 1710008

Sample Name	Lab Sample ID	Lab File ID	Analyzed
LCS	1716317-BS1	20170926-105	09/26/17 21:35
LCS Dup	1716317-BSD1	20170926-106	09/26/17 21:40
TF1-GT-117-091317	SC39221-02	20170926-107	09/26/17 21:45
TF1-GT-108-091317	SC39221-03	20170926-108	09/26/17 21:51
TF1-MW-1008-091317	SC39221-04	20170926-109	09/26/17 21:56
TF1-DUP-04-091317	SC39221-05	20170926-110	09/26/17 22:01
TF1-MW-7-091317	S708828-SRD5	20170926-111	09/26/17 22:06
TF1-MW-7-091317	SC39221-06	20170926-112	09/26/17 22:11
TF1-MW-7-091317	1716317-DUP1	20170926-113	09/26/17 22:16
Calibration Check	S708828-CCV9	20170926-114	09/26/17 22:21
Calibration Blank	S708828-CCB9	20170926-115	09/26/17 22:26
TF1-MW-7-091317	1716317-MS1	20170926-116	09/26/17 22:31
TF1-MW-7-091317	1716317-MSD1	20170926-117	09/26/17 22:36
TF1-MW-7-091317	1716317-PS1	20170926-118	09/26/17 22:41
TF1-GT-125-091317	SC39221-09	20170926-119	09/26/17 22:46
Instrument RL Check	S708828-CRL9	20170926-120	09/26/17 22:52
Instrument RL Check	S708828-CRLA	20170926-121	09/26/17 22:57
Interference Check A	S708828-IFA5	20170926-122	09/26/17 23:02
Interference Check B	S708828-IFB5	20170926-123	09/26/17 23:07
Calibration Check	S708828-CCVA	20170926-124	09/26/17 23:12
Calibration Blank	S708828-CCBA	20170926-125	09/26/17 23:17
Calibration Check	S708828-CCVB	20170926-136	09/27/17 00:13
Calibration Blank	S708828-CCBB	20170926-137	09/27/17 00:18
Instrument RL Check	S708828-CRLB	20170926-139	09/27/17 00:28
Instrument RL Check	S708828-CRLC	20170926-140	09/27/17 00:34
Interference Check A	S708828-IFA6	20170926-141	09/27/17 00:39
Interference Check B	S708828-IFB6	20170926-142	09/27/17 00:44
Calibration Check	S708828-CCVC	20170926-143	09/27/17 00:49
Calibration Blank	S708828-CCBC	20170926-144	09/27/17 00:54
Calibration Check	S708828-CCVD	20170926-155	09/27/17 01:50
Calibration Blank	S708828-CCBD	20170926-156	09/27/17 01:55
Instrument RL Check	S708828-CRLD	20170926-157	09/27/17 02:01
Instrument RL Check	S708828-CRLE	20170926-158	09/27/17 02:06

**FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY**

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708828

Instrument: ICAP5

Calibration: 1710008

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Calibration Check	S708828-CCV1	20170926-029	09/26/17 14:20
Calibration Blank	S708828-CCB1	20170926-030	09/26/17 14:25
Instrument RL Check	S708828-CRL1	20170926-035	09/26/17 14:50
Instrument RL Check	S708828-CRL2	20170926-036	09/26/17 14:55
Interference Check A	S708828-IFA1	20170926-037	09/26/17 15:00
Interference Check B	S708828-IFB1	20170926-038	09/26/17 15:06
Calibration Check	S708828-CCV2	20170926-039	09/26/17 15:11
Calibration Blank	S708828-CCB2	20170926-040	09/26/17 15:16
Calibration Check	S708828-CCV3	20170926-051	09/26/17 16:11
Calibration Blank	S708828-CCB3	20170926-052	09/26/17 16:16
Instrument RL Check	S708828-CRL3	20170926-054	09/26/17 16:26
Instrument RL Check	S708828-CRL4	20170926-055	09/26/17 16:32
Interference Check A	S708828-IFA2	20170926-056	09/26/17 16:37
Interference Check B	S708828-IFB2	20170926-057	09/26/17 16:42
Calibration Check	S708828-CCV4	20170926-058	09/26/17 16:47
Calibration Blank	S708828-CCB4	20170926-059	09/26/17 16:52
Calibration Check	S708828-CCV5	20170926-070	09/26/17 17:48
Calibration Blank	S708828-CCB5	20170926-071	09/26/17 17:53
Instrument RL Check	S708828-CRL5	20170926-077	09/26/17 18:24
Instrument RL Check	S708828-CRL6	20170926-078	09/26/17 18:29
Interference Check A	S708828-IFA3	20170926-079	09/26/17 18:34
Interference Check B	S708828-IFB3	20170926-080	09/26/17 18:39
Calibration Check	S708828-CCV6	20170926-081	09/26/17 18:44
Calibration Blank	S708828-CCB6	20170926-082	09/26/17 18:49
Calibration Check	S708828-CCV7	20170926-093	09/26/17 20:34
Calibration Blank	S708828-CCB7	20170926-094	09/26/17 20:39
Instrument RL Check	S708828-CRL7	20170926-098	09/26/17 21:00
Instrument RL Check	S708828-CRL8	20170926-099	09/26/17 21:05
Interference Check A	S708828-IFA4	20170926-100	09/26/17 21:10
Interference Check B	S708828-IFB4	20170926-101	09/26/17 21:15
Calibration Check	S708828-CCV8	20170926-102	09/26/17 21:20
Calibration Blank	S708828-CCB8	20170926-103	09/26/17 21:25
Blank	1716317-BLK1	20170926-104	09/26/17 21:30

**FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY**

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708828

Instrument: ICAP5

Calibration: 1710008

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Interference Check A	S708828-IFA7	20170926-159	09/27/17 02:11
Interference Check B	S708828-IFB7	20170926-160	09/27/17 02:16

METALS ANALYSIS RUN LOG

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708828

Instrument: ICAP5

Calibration: 1710008

Sample Name	Lab ID	D/F	Time	Analytes																									
				A L	S B	A S	B A	B E	C D	C A	C O	C R	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	S U	T L	V	Z N		
Calibration Check	S708828-CCV1	1	09/26/17 14:20	X					X			X	X									X							
Calibration Blank	S708828-CCB1	1	09/26/17 14:25	X					X			X	X									X							
Instrument RL Check	S708828-CRL1	1	09/26/17 14:50	X					X			X	X									X							
Instrument RL Check	S708828-CRL2	1	09/26/17 14:55	X					X			X	X									X							
Interference Check A	S708828-IFA1	1	09/26/17 15:00	X					X			X	X									X							
Interference Check B	S708828-IFB1	1	09/26/17 15:06	X					X			X	X									X							
Calibration Check	S708828-CCV2	1	09/26/17 15:11	X					X			X	X									X							
Calibration Blank	S708828-CCB2	1	09/26/17 15:16	X					X			X	X									X							
Calibration Check	S708828-CCV3	1	09/26/17 16:11	X					X			X	X									X							
Calibration Blank	S708828-CCB3	1	09/26/17 16:16	X					X			X	X									X							
Instrument RL Check	S708828-CRL3	1	09/26/17 16:26	X					X			X	X									X							
Instrument RL Check	S708828-CRL4	1	09/26/17 16:32	X					X			X	X									X							
Interference Check A	S708828-IFA2	1	09/26/17 16:37	X					X			X	X									X							
Interference Check B	S708828-IFB2	1	09/26/17 16:42	X					X			X	X									X							
Calibration Check	S708828-CCV4	1	09/26/17 16:47	X					X			X	X									X							
Calibration Blank	S708828-CCB4	1	09/26/17 16:52	X					X			X	X									X							
Calibration Check	S708828-CCV5	1	09/26/17 17:48	X					X			X	X									X							
Calibration Blank	S708828-CCB5	1	09/26/17 17:53	X					X			X	X									X							
Instrument RL Check	S708828-CRL5	1	09/26/17 18:24	X					X			X	X									X							
Instrument RL Check	S708828-CRL6	1	09/26/17 18:29	X					X			X	X									X							
Interference Check A	S708828-IFA3	1	09/26/17 18:34	X					X			X	X									X							
Interference Check B	S708828-IFB3	1	09/26/17 18:39	X					X			X	X									X							
Calibration Check	S708828-CCV6	1	09/26/17 18:44	X					X			X	X									X							
Calibration Blank	S708828-CCB6	1	09/26/17 18:49	X					X			X	X									X							
Calibration Check	S708828-CCV7	1	09/26/17 20:34	X					X			X	X									X							
Calibration Blank	S708828-CCB7	1	09/26/17 20:39	X					X			X	X									X							
Instrument RL Check	S708828-CRL7	1	09/26/17 21:00	X					X			X	X									X							
Instrument RL Check	S708828-CRL8	1	09/26/17 21:05	X					X			X	X									X							
Interference Check A	S708828-IFA4	1	09/26/17 21:10	X					X			X	X									X							
Interference Check B	S708828-IFB4	1	09/26/17 21:15	X					X			X	X									X							
Calibration Check	S708828-CCV8	1	09/26/17 21:20	X					X			X	X									X							
Calibration Blank	S708828-CCB8	1	09/26/17 21:25	X					X			X	X									X							
Blank	1716317-BLK1	1	09/26/17 21:30	X					X			X	X									X							
LCS	1716317-BS1	1	09/26/17 21:35	X					X			X	X									X							

**FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY**

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S710437

Instrument: ICAP5

Calibration: 1711058

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Cal Standard	S710437-CAL1	20170929-001	09/29/17 11:29
Cal Standard	S710437-CAL2	20170929-002	09/29/17 11:33
Cal Standard	S710437-CAL3	20170929-003	09/29/17 11:37
Cal Standard	S710437-CAL4	20170929-004	09/29/17 11:41
Cal Standard	S710437-CAL5	20170929-005	09/29/17 11:45
Cal Standard	S710437-CAL6	20170929-006	09/29/17 11:49
Cal Standard	S710437-CAL7	20170929-007	09/29/17 11:53
Cal Standard	S710437-CAL8	20170929-008	09/29/17 11:57
Cal Standard	S710437-CAL9	20170929-009	09/29/17 12:02
Cal Standard	S710437-CAL9	20170929-010	09/29/17 12:12
Cal Standard	S710437-CAL1	20170929-011	09/29/17 12:23
Cal Standard	S710437-CAL2	20170929-013	09/29/17 12:36
Initial Cal Check	S710437-ICV1	20170929-014	09/29/17 12:44
Initial Cal Blank	S710437-ICB1	20170929-015	09/29/17 12:49
Instrument RL Check	S710437-CRL1	20170929-016	09/29/17 12:54
Instrument RL Check	S710437-CRL2	20170929-017	09/29/17 12:59
Calibration Check	S710437-CCV1	20170929-020	09/29/17 13:14
Calibration Blank	S710437-CCB1	20170929-021	09/29/17 13:19
Initial Cal Check	S710437-ICV2	20170929-022	09/29/17 13:28

METALS ANALYSIS RUN LOG

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S710437

Instrument: ICAP5

Calibration: 1711058

Sample Name	Lab ID	D/F	Time	Analytes																									
				A L	S B	A S	B A	B E	C D	C A	C O	C R	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	S U	T L	V	Z N		
Cal Standard	S710437-CAL1	1	09/29/17 11:29																X										
Cal Standard	S710437-CAL2	1	09/29/17 11:33																X										
Cal Standard	S710437-CAL3	1	09/29/17 11:37										X						X										
Cal Standard	S710437-CAL4	1	09/29/17 11:41										X						X										
Cal Standard	S710437-CAL5	1	09/29/17 11:45										X						X										
Cal Standard	S710437-CAL6	1	09/29/17 11:49										X						X										
Cal Standard	S710437-CAL7	1	09/29/17 11:53										X						X										
Cal Standard	S710437-CAL8	1	09/29/17 11:57										X						X										
Cal Standard	S710437-CAL9	1	09/29/17 12:02																X										
Cal Standard	S710437-CAL9	1	09/29/17 12:12										X																
Cal Standard	S710437-CAL1	1	09/29/17 12:23										X																
Cal Standard	S710437-CAL2	1	09/29/17 12:36										X																
Initial Cal Check	S710437-ICV1	1	09/29/17 12:44										X						X										
Initial Cal Blank	S710437-ICB1	1	09/29/17 12:49										X						X										
Instrument RL Check	S710437-CRL1	1	09/29/17 12:54										X						X										
Instrument RL Check	S710437-CRL2	1	09/29/17 12:59										X						X										
Calibration Check	S710437-CCV1	1	09/29/17 13:14										X						X										
Calibration Blank	S710437-CCB1	1	09/29/17 13:19										X						X										
Initial Cal Check	S710437-ICV2	1	09/29/17 13:28										X																

**FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY**

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S710438

Instrument: ICAP5

Calibration: 1711058

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Calibration Check	S710438-CCV1	20170929-039	09/29/17 15:05
Calibration Blank	S710438-CCB1	20170929-040	09/29/17 15:10
Calibration Check	S710438-CCV2	20170929-051	09/29/17 16:05
Calibration Blank	S710438-CCB2	20170929-052	09/29/17 16:10
Instrument RL Check	S710438-CRL1	20170929-054	09/29/17 16:20
Interference Check A	S710438-IFA1	20170929-055	09/29/17 16:25
Interference Check B	S710438-IFB1	20170929-056	09/29/17 16:31
Calibration Check	S710438-CCV3	20170929-057	09/29/17 16:36
Calibration Blank	S710438-CCB3	20170929-058	09/29/17 16:41
Calibration Check	S710438-CCV4	20170929-069	09/29/17 17:36
Calibration Blank	S710438-CCB4	20170929-070	09/29/17 17:41
Instrument RL Check	S710438-CRL2	20170929-076	09/29/17 18:11
Interference Check A	S710438-IFA2	20170929-077	09/29/17 18:16
Interference Check B	S710438-IFB2	20170929-078	09/29/17 18:21
Calibration Check	S710438-CCV5	20170929-079	09/29/17 18:27
Calibration Blank	S710438-CCB5	20170929-080	09/29/17 18:32
Blank	1716540-BLK1	20170929-081	09/29/17 18:37
LCS	1716540-BS1	20170929-082	09/29/17 18:42
LCS Dup	1716540-BSD1	20170929-083	09/29/17 18:47
TF1-GT-117-091317	SC39221-02	20170929-084	09/29/17 18:52
TF1-GT-108-091317	SC39221-03	20170929-085	09/29/17 18:57
TF1-MW-1008-091317	SC39221-04	20170929-086	09/29/17 19:02
TF1-DUP-04-091317	SC39221-05	20170929-087	09/29/17 19:07
TF1-MW-7-091317	S710438-SRD3	20170929-088	09/29/17 19:12
TF1-MW-7-091317	SC39221-06	20170929-089	09/29/17 19:17
TF1-MW-7-091317	1716540-DUP1	20170929-090	09/29/17 19:22
Calibration Check	S710438-CCV6	20170929-091	09/29/17 19:27
Calibration Blank	S710438-CCB6	20170929-092	09/29/17 19:32
TF1-MW-7-091317	1716540-MS1	20170929-093	09/29/17 19:38
TF1-MW-7-091317	1716540-MSD1	20170929-094	09/29/17 19:43
TF1-MW-7-091317	1716540-PS1	20170929-095	09/29/17 19:47
TF1-GT-125-091317	SC39221-09	20170929-096	09/29/17 19:52
Instrument RL Check	S710438-CRL3	20170929-097	09/29/17 19:57

**FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY**

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S710438

Instrument: ICAP5

Calibration: 1711058

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Instrument RL Check	S710438-CRL4	20170929-098	09/29/17 20:03
Interference Check A	S710438-IFA3	20170929-099	09/29/17 20:08
Interference Check B	S710438-IFB3	20170929-100	09/29/17 20:13
Calibration Check	S710438-CCV7	20170929-101	09/29/17 20:18
Calibration Blank	S710438-CCB7	20170929-102	09/29/17 20:23
Calibration Check	S710438-CCV8	20170929-113	09/29/17 21:18
Calibration Blank	S710438-CCB8	20170929-114	09/29/17 21:23
Instrument RL Check	S710438-CRL5	20170929-115	09/29/17 21:29
Instrument RL Check	S710438-CRL6	20170929-116	09/29/17 21:34
Interference Check A	S710438-IFA4	20170929-117	09/29/17 21:39
Interference Check B	S710438-IFB4	20170929-118	09/29/17 21:44

METALS ANALYSIS RUN LOG

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S710438

Instrument: ICAP5

Calibration: 1711058

Sample Name	Lab ID	D/F	Time	Analytes																									
				A L	S B	A S	B A	B E	C D	C A	C O	C R	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	S U	T L	V	Z N		
Calibration Check	S710438-CCV1	1	09/29/17 15:05										X							X									
Calibration Blank	S710438-CCB1	1	09/29/17 15:10										X							X									
Calibration Check	S710438-CCV2	1	09/29/17 16:05										X							X									
Calibration Blank	S710438-CCB2	1	09/29/17 16:10										X							X									
Instrument RL Check	S710438-CRL1	1	09/29/17 16:20										X							X									
Interference Check A	S710438-IFA1	1	09/29/17 16:25	X					X			X		X					X										
Interference Check B	S710438-IFB1	1	09/29/17 16:31	X					X			X		X					X										
Calibration Check	S710438-CCV3	1	09/29/17 16:36										X							X									
Calibration Blank	S710438-CCB3	1	09/29/17 16:41										X							X									
Calibration Check	S710438-CCV4	1	09/29/17 17:36										X							X									
Calibration Blank	S710438-CCB4	1	09/29/17 17:41										X							X									
Instrument RL Check	S710438-CRL2	1	09/29/17 18:11										X							X									
Interference Check A	S710438-IFA2	1	09/29/17 18:16	X					X			X		X					X										
Interference Check B	S710438-IFB2	1	09/29/17 18:21	X					X			X		X					X										
Calibration Check	S710438-CCV5	1	09/29/17 18:27										X							X									
Calibration Blank	S710438-CCB5	1	09/29/17 18:32										X							X									
Blank	1716540-BLK1	1	09/29/17 18:37										X							X									
LCS	1716540-BS1	1	09/29/17 18:42										X							X									
LCS Dup	1716540-BSD1	1	09/29/17 18:47										X							X									
TF1-GT-117-091317	SC39221-02	1	09/29/17 18:52										X							X									
TF1-GT-108-091317	SC39221-03	1	09/29/17 18:57										X							X									
TF1-MW-1008-091317	SC39221-04	1	09/29/17 19:02										X							X									
TF1-DUP-04-091317	SC39221-05	1	09/29/17 19:07										X							X									
TF1-MW-7-091317	S710438-SRD3	5	09/29/17 19:12										X							X									
TF1-MW-7-091317	SC39221-06	1	09/29/17 19:17										X							X									
TF1-MW-7-091317	1716540-DUP1	1	09/29/17 19:22										X							X									
Calibration Check	S710438-CCV6	1	09/29/17 19:27										X							X									
Calibration Blank	S710438-CCB6	1	09/29/17 19:32										X							X									
TF1-MW-7-091317	1716540-MS1	1	09/29/17 19:38										X							X									
TF1-MW-7-091317	1716540-MSD1	1	09/29/17 19:43										X							X									
TF1-MW-7-091317	1716540-PS1	1	09/29/17 19:47										X							X									
TF1-GT-125-091317	SC39221-09	1	09/29/17 19:52										X							X									
Instrument RL Check	S710438-CRL3	1	09/29/17 19:57										X							X									
Instrument RL Check	S710438-CRL4	1	09/29/17 20:03										X							X									

METALS ANALYSIS RUN LOG

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S710438

Instrument: ICAP5

Calibration: 1711058

Sample Name	Lab ID	D/F	Time	Analytes																							
				A L	S B	A S	B A	B E	C D	C A	C O	C R	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	S U	T L	V	Z N
Interference Check A	S710438-IFA3	1	09/29/17 20:08	X						X					X	X				X							
Interference Check B	S710438-IFB3	1	09/29/17 20:13	X						X					X	X				X							
Calibration Check	S710438-CCV7	1	09/29/17 20:18												X					X							
Calibration Blank	S710438-CCB7	1	09/29/17 20:23												X					X							
Calibration Check	S710438-CCV8	1	09/29/17 21:18												X					X							
Calibration Blank	S710438-CCB8	1	09/29/17 21:23												X					X							
Instrument RL Check	S710438-CRL5	1	09/29/17 21:29												X					X							
Instrument RL Check	S710438-CRL6	1	09/29/17 21:34												X					X							
Interference Check A	S710438-IFA4	1	09/29/17 21:39	X						X					X	X				X							
Interference Check B	S710438-IFB4	1	09/29/17 21:44	X						X					X	X				X							

EPA 245.1/7470A

CROSS REFERENCE TABLE

EPA 245.1/7470A

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112G08005-WE15

Client Sample ID:	Lab Sample ID:
<u>TF1-GT-117-091317</u>	<u>SC39221-02</u>
<u>TF1-GT-108-091317</u>	<u>SC39221-03</u>
<u>TF1-MW-1008-091317</u>	<u>SC39221-04</u>
<u>TF1-DUP-04-091317</u>	<u>SC39221-05</u>
<u>TF1-MW-7-091317</u>	<u>SC39221-06</u>
<u>TF1-GT-125-091317</u>	<u>SC39221-09</u>

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport / 112G08005-WE15

SDG #: SC39221

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to EPA 245.1/7470A.

IV. PREPARATION

Aqueous samples were prepared according to EPA200/SW7000 Series.

V. INSTRUMENTATION

The following equipment was used to analyze EPA 245.1/7470A:

Mercury4 details: Leeman Labs Hydra IIAA Mercury Analyzer

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1716319 from source sample TF1-MW-7-091317 (SC39221-06).

All method criteria were met.

3. Post Spike Samples (PS):

A post spike was analyzed.

In batch 1716319 from source sample TF1-MW-7-091317 (SC39221-06).

All method criteria were met.

D. Duplicates:

A duplicate was analyzed.

In batch 1716319 from source sample TF1-MW-7-091317 (SC39221-06).

All method criteria were met.

E. Samples:

All method criteria were met.

FORM III - BLANKS

EPA 245.1/7470A

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Instrument ID: Mercury4

Calibration: 1712017

Sequence: S710618

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
1716319-BLK1	Mercury	BRL	0.00020	mg/l	U	EPA 245.1/7470A
S710618-CCB1	Mercury	BRL	0.200	µg/l	U	EPA 245.1/7470A
S710618-CCB2	Mercury	BRL	0.200	µg/l	U	EPA 245.1/7470A
S710618-CCB3	Mercury	BRL	0.200	µg/l	U	EPA 245.1/7470A
S710618-CCB4	Mercury	BRL	0.200	µg/l	U	EPA 245.1/7470A

FORM Vb - POST DIGEST SPIKE SAMPLE RECOVERY

EPA 245.1/7470A

TF1-MW-7-091317

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Laboratory ID: 1716319-PS1

Batch: 1716319

Lab Source ID: SC39221-06

Preparation: EPA200/SW7000 Series

Initial/Final: 20 ml / 20 ml

Source Sample Name: TF1-MW-7-091317

% Solids:

Analyte	Control Limit %R	Spike Sample Result (SSR) (mg/l)	Sample Result (SR) (mg/l)	Spike Added (SA) (mg/l)	%R	Method
Mercury	85 - 115	0.00474	BRL	0.00500	95	EPA 245.1/7470A

* Values outside of QC limits

FORM IIIc - DUPLICATES**TF1-MW-7-091317****EPA 245.1/7470A**Laboratory: Eurofins Spectrum Analytical, Inc. - MASDG: SC39221Client: Tetra Tech, Inc. - Salem, NHProject: WE15 Tank Farm 1 NAVSTA NewportMatrix: AqueousLaboratory ID: 1716319-DUP1Batch: 1716319Lab Source ID: SC39221-06Preparation: EPA200/SW7000 SeriesInitial/Final: 20 ml / 20 mlSource Sample Name: TF1-MW-7-091317

% Solids:

File ID: 092617A-022

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/l)	C	DUPLICATE CONCENTRATION (mg/l)	C	RPD %	Q	METHOD
Mercury	20	BRL		0.00053				EPA 245.1/7470A

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IIIa - LCS / LCS DUPLICATE RECOVERY**EPA 245.1/7470A**

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC39221</u>
Client:	<u>Tetra Tech, Inc. - Salem, NH</u>	Project:	<u>WE15 Tank Farm 1 NAVSTA Newport</u>
Matrix:	<u>Aqueous</u>	Instrument:	Mercury4
Batch:	<u>1716319</u>	Laboratory ID:	<u>1716319-BS1</u>
Preparation:	<u>EPA200/SW7000 Series</u>	Initial/Final:	<u>20 ml / 20 ml</u>
Analyzed:	<u>09/26/17 14:42</u>	Spike ID:	1710724
		File ID:	<u>092617A-016</u>

COMPOUND	SPIKE ADDED (mg/l)	LCS CONCENTRATION (mg/l)	LCS % REC. #	QC LIMITS REC.
Mercury	0.00500	0.00460	92	82 - 119

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IIIb (Organic) / FORM V (Inorganic)
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

TF1-MW-7-091317

EPA 245.1/7470A

Laboratory: <u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG: <u>SC39221</u>
Client: <u>Tetra Tech, Inc. - Salem, NH</u>	Project: <u>WE15 Tank Farm 1 NAVSTA Newport</u>
Matrix: <u>Aqueous</u>	Instrument: <u>Mercury4</u>
Batch: <u>1716319</u>	Laboratory ID: <u>1716319-MS1</u>
Preparation: <u>EPA200/SW7000 Series</u>	Initial/Final: <u>20 ml / 20 ml</u>
Source Sample Name: <u>TF1-MW-7-091317</u>	% Solids:
	Spike ID: <u>1710724</u>
	File ID: <u>092617A-023</u>

COMPOUND	SPIKE ADDED (mg/l)	SAMPLE CONCENTRATION (mg/l)	MS CONCENTRATION (mg/l)	MS % REC. #	QC LIMITS REC.
Mercury	0.00500	BRL	0.00472	94	82 - 119

File ID: 092617A-024

COMPOUND	SPIKE ADDED (mg/l)	MSD CONCENTRATION (mg/l)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Mercury	0.00500	0.00447	89	5	20	82 - 119

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Organic/FORM IX(Inorganic) - METHOD DETECTION AND REPORTING LIMITS

EPA 245.1/7470A

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Analyte	MDL	MRL	Units
Mercury	0.00013	0.00020	mg/l

**FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY**

EPA 245.1/7470A

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S710616

Instrument: Mercury4

Calibration: 1712017

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Cal Standard	S710616-CAL2	092617A-002	09/26/17 13:41
Cal Standard	S710616-CAL3	092617A-003	09/26/17 13:43
Cal Standard	S710616-CAL4	092617A-004	09/26/17 13:45
Cal Standard	S710616-CAL5	092617A-005	09/26/17 13:47
Cal Standard	S710616-CAL6	092617A-006	09/26/17 13:49
Cal Standard	S710616-CAL7	092617A-007	09/26/17 13:51
Cal Standard	S710616-CAL8	092617A-008	09/26/17 13:54
Cal Standard	S710616-CAL1	092617A-009	09/26/17 14:20
Initial Cal Check	S710616-ICV1	092617A-010	09/26/17 14:29
Initial Cal Blank	S710616-ICB1	092617A-011	09/26/17 14:31
Instrument RL Check	S710616-CRL1	092617A-012	09/26/17 14:33
Calibration Check	S710616-CCV1	092617A-013	09/26/17 14:36
Calibration Blank	S710616-CCB1	092617A-014	09/26/17 14:38

**FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY**

EPA 245.1/7470A

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S710618

Instrument: Mercury4

Calibration: 1712017

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Blank	1716319-BLK1	092617A-015	09/26/17 14:40
LCS	1716319-BS1	092617A-016	09/26/17 14:42
TF1-GT-117-091317	SC39221-02	092617A-017	09/26/17 14:44
TF1-GT-108-091317	SC39221-03	092617A-018	09/26/17 14:46
TF1-MW-1008-091317	SC39221-04	092617A-019	09/26/17 14:48
TF1-DUP-04-091317	SC39221-05	092617A-020	09/26/17 14:50
TF1-MW-7-091317	SC39221-06	092617A-021	09/26/17 14:52
TF1-MW-7-091317	1716319-DUP1	092617A-022	09/26/17 14:54
TF1-MW-7-091317	1716319-MS1	092617A-023	09/26/17 14:56
TF1-MW-7-091317	1716319-MSD1	092617A-024	09/26/17 14:58
Calibration Check	S710618-CCV1	092617A-025	09/26/17 15:01
Calibration Blank	S710618-CCB1	092617A-026	09/26/17 15:03
TF1-MW-7-091317	1716319-PS1	092617A-027	09/26/17 15:05
TF1-GT-125-091317	SC39221-09	092617A-028	09/26/17 15:07
Instrument RL Check	S710618-CRL1	092617A-029	09/26/17 15:09
Calibration Check	S710618-CCV2	092617A-030	09/26/17 15:11
Calibration Blank	S710618-CCB2	092617A-031	09/26/17 15:14
Calibration Check	S710618-CCV3	092617A-080	09/26/17 17:48
Calibration Blank	S710618-CCB3	092617A-081	09/26/17 17:50
Instrument RL Check	S710618-CRL2	092617A-082	09/26/17 17:52
Instrument RL Check	S710618-CRL3	092617A-091	09/26/17 18:11
Calibration Check	S710618-CCV4	092617A-092	09/26/17 18:13
Calibration Blank	S710618-CCB4	092617A-093	09/26/17 18:15

Metals in Liquid Data

Case Narrative/Conformance Summary

CLIENT: Eurofins Spectrum Analytical
SDG: SAI21

ICP Metals

Fraction: Metals in Liquid

Sample #	Client ID	Matrix		Comments
		Liquid	Solid	
9240341	SC39221-02	X		
9240342	SC39221-03	X		
9240343	SC39221-04	X		
9240344	SC39221-05	X		
9240345	SC39221-06	X		Background/Unspiked
9240346	SC39221-06MS	X		Matrix Spike
9240347	SC39221-06MSD	X		Matrix Spike Duplicate
9240348	SC39221-06DUP	X		Duplicate
9240349	SC39221-09	X		

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

Method defined actions are taken for any failed matrix QC.

Batch#: 172771063902A (Sample number(s): 9240341-9240349, UNSPK: 9240345, BKG: 9240345)
The recovery(ies) for the following analyte(s) in the MS and MSD were below the acceptance window: Manganese

Case Narrative/Conformance Summary

CLIENT: Eurofins Spectrum Analytical
SDG: SAI21

ICP Metals

Fraction: Metals in Liquid

Sample Duplicate

Batch#: 172771063902D (Sample number(s): 9240341-9240349, UNSPK: 9240345, BKG: 9240345)
The duplicate RPD for the following analyte(s) is outside the acceptance window: Barium

SAMPLE ANALYSIS:

No problems were encountered with the analysis of the samples.

Refer to analysis run log for samples requiring dilutions.

The instrument detection limits (IDLs) are used for determining the U flags on the initial and continuing calibration blanks. The highest IDL is selected when multiple instruments are used for an analysis. The method detection limits (MDLs) are used for determining all other U flags.

Abbreviation Key

BKG – Background	AF - Cold Vapor Atomic Fluorescence
DUP – Duplicate	U - Below MDL
MS - Matrix Spike	B - Below LOQ
MSD - Matrix Spike Dup	N - Matrix Spike out of specifications
B – Blank	* - Duplicate out of specifications
Q - Laboratory Control Sample	E - Matrix Effects exist as proven by Serial Dilution or Spiked Dilution
Y - Laboratory Control Sample Duplicate	A - Post Digestion Spike
P - ICP Atomic Emission Spectrometer	L - Serial Dilution
MS - ICP Mass Spectrometry	R - Internal Standard Relative Intensity OOS
CV - Cold Vapor	NR - Not Required



Method: MS
Run Name: 1728411E05
Calibration Date(s): 10/11/2017
Preparation Blank Matrix: WATER

Analyte	Mass	Initial Calibration Blank (ug/L)				Continuing Calibration Blank (ug/L)				Preparation Blank (UG/L)		Batch Number	
			C	1	C	2	C	3	C	Mass	C		
Antimony	121	0.35	U	0.35	U	0.35	U	0.35	U	121	0.450	U	172771063902A
Arsenic	75	0.60	U	0.60	U	0.60	U	0.60	U	75	0.720	U	172771063902A
Barium	137	0.43	U	0.43	U	0.43	U			137	0.720	U	172771063902A
Beryllium	9	0.054	U	0.054	U	0.054	U	0.054	U	9	0.071	U	172771063902A
Cadmium	111	0.15	U	0.15	U	0.15	U	0.15	U	111	0.150	U	172771063902A
Chromium	52	0.50	U	0.50	U	0.50	U	0.50	U	52	0.870	U	172771063902A
Cobalt	59	0.17	U	0.17	U	0.17	U	0.17	U	59	0.160	U	172771063902A
Copper	63	0.40	U	0.40	U	0.40	U	0.40	U	63	0.540	U	172771063902A
Lead	208	0.088	U	0.088	U	0.088	U	0.088	U	208	0.110	U	172771063902A
Manganese	55	0.90	U	0.90	U	0.90	U	0.90	U	55	0.900	U	172771063902A
Molybdenum	98	0.25	U	0.25	U	0.25	U	0.25	U	98	0.250	U	172771063902A
Nickel	60	0.61	U	0.61	U	0.61	U	0.61	U	60	1.000	U	172771063902A
Selenium	78	0.50	U	0.50	U	0.50	U	0.50	U	78	0.500	U	172771063902A
Silver	107	0.12	U	0.12	U	0.12	U	0.12	U	107	0.150	U	172771063902A
Thallium	203	0.12	U	0.12	U	0.12	U	0.12	U	203	0.120	U	172771063902A
Vanadium	51	0.17	U	0.17	U	0.17	U	0.17	U	51	0.210	U	172771063902A
Zinc	66	2.6	U	2.6	U	2.6	U	2.6	U	66	3.900	U	172771063902A

METHODS:

P = ICP Atomic Emission Spectrometer
MS = ICP Mass Spectrometry
CV = Cold Vapor
AF = Cold Vapor Atomic Fluorescence

CONCENTRATION QUALIFIERS:

U= Below IDL/MDL
B= Below LOQ

Instrument ID: 19204
Run Name: 1728411E05
Concentration Units: ug/L

Analyte	Mass	True		Found			
		Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R
Aluminum	27	100000	100000	92236	92.2	92596.6	92.6
Antimony	121	0	0	1		1.3	
Arsenic	75	0	100	0		98.6	98.6
Barium	137	0	0	1		1.0	
Beryllium	9	0	0	0		0.0	
Cadmium	111	0	100	0		92.7	92.7
Calcium	44	300000	300000	254787	84.9	257876.9	86.0
Carbon	13	20000	20000	NA		NA	
Chloride	37	100000	100000	NA		NA	
Chromium	52	0	200	1		189.0	94.5
Cobalt	59	0	205	1		188.2	91.8
Copper	63	0	200	1		189.1	94.6
Iron	57	250000	250000	218986	87.6	216631.7	86.7
Lead	208	0	0	0		0.2	
Magnesium	24	100000	100000	91465	91.5	92541.4	92.5
Manganese	55	0	200	3		193.2	96.6
Molybdenum	98	2000	2000	1980	99.0	1940.1	97.0
Nickel	60	0	200	1		187.6	93.8
Phosphorus	31	10000	10000	NA		NA	
Potassium	39	100000	100000	94673	94.7	94710.0	94.7
Selenium	78	0	100	0		92.4	92.4
Silver	107	0	50	0		47.7	95.4
Sodium	23	250000	250000	231932	92.8	234810.0	93.9
Sulfur	34	10000	10000	NA		NA	
Thallium	203	0	0	0		0.1	
Titanium	47	2000	2000	1976	98.8	1987.1	99.4
Vanadium	51	0	200	0		192.9	96.5
Zinc	66	0	100	2		92.0	92.0

Control Limits: All Metals 80%-120%

Instrument ID: 19204
Run Name: 1728503E05
Concentration Units: ug/L

Analyte	Mass	True		Found			
		Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R
Aluminum	27	100000	100000	99008	99.0	97273.3	97.3
Antimony							
Arsenic							
Barium	137	0	0	1		1.1	
Beryllium							
Cadmium							
Calcium	44	300000	300000	298152	99.4	290643.5	96.9
Carbon	13	20000	20000	NA		NA	
Chloride	37	100000	100000	NA		NA	
Chromium							
Cobalt							
Copper							
Iron	57	250000	250000	228727	91.5	225666.5	90.3
Lead							
Magnesium	24	100000	100000	96127	96.1	94889.2	94.9
Manganese	55	0	200	3		197.1	98.6
Molybdenum	98	2000	2000	1911	95.6	1978.2	98.9
Nickel							
Phosphorus	31	10000	10000	NA		NA	
Potassium	39	100000	100000	98618	98.6	96797.3	96.8
Selenium							
Silver							
Sodium	23	250000	250000	240929	96.4	237819.4	95.1
Sulfur	34	10000	10000	NA		NA	
Thallium							
Titanium	47	2000	2000	1984	99.2	1989.3	99.5
Vanadium							
Zinc							

Control Limits: All Metals 80%-120%



Background Lab Sample ID: 9240345BKG Matrix Spike Lab Sample ID: 9240346MS Matrix Spike Duplicate Lab Sample ID: 9240347MSD
Batch Number(s): 172771063902

Analyte	Mass	BKG Sample		MS Sample		MSD Sample		MS Spike Added	MSD Spike Added	Units	MS		MSD		Control Limit		M	
		Result	C	Result	C	Result	C				%R	Q	%R	Q	RPD	Q		%R
Antimony	121	0.4510	U	5.8190		5.9770		6.0000	6.0000	UG/L	97		100		3	85 - 117	20	MS
Arsenic	75	4.1700		14.8710		15.5190		10.0000	10.0000	UG/L	107		113		4	84 - 116	20	MS
Barium	137	8.9630		59.3230		62.0060		50.0000	50.0000	UG/L	101		106		4	86 - 114	20	MS
Beryllium	9	0.1680	B	4.2720		4.1000		4.0000	4.0000	UG/L	103		98		4	83 - 121	20	MS
Cadmium	111	0.1520	U	5.0500		4.6500		5.0000	5.0000	UG/L	101		93		8	87 - 115	20	MS
Chromium	52	0.8700	U	52.1190		50.2740		50.0000	50.0000	UG/L	104		101		4	85 - 116	20	MS
Cobalt	59	94.6980		356.1860		363.5990		250.0000	250.0000	UG/L	105		108		2	86 - 115	20	MS
Copper	63	0.5360	U	53.7360		53.5790		50.0000	50.0000	UG/L	107		107		0	85 - 118	20	MS
Lead	208	0.1110	U	15.2040		15.2620		15.0000	15.0000	UG/L	101		102		0	88 - 115	20	MS
Manganese	55	4338.8950		4244.6860		4265.2960		50.0000	50.0000	UG/L	-188		-147		0		20	MS
Molybdenum	98	0.2500	U	50.9830		52.3540		50.0000	50.0000	UG/L	102		105		3	83 - 115	20	MS
Nickel	60	104.0960		159.2030		158.3540		50.0000	50.0000	UG/L	110		109		1	85 - 117	20	MS
Selenium	78	0.5000	U	10.0080		9.8370		10.0000	10.0000	UG/L	100		98		2	80 - 120	20	MS
Silver	107	0.1460	U	53.2250		53.6410		50.0000	50.0000	UG/L	106		107		1	85 - 116	20	MS
Thallium	203	0.1170	U	2.0200		2.1170		2.0000	2.0000	UG/L	101		106		5	82 - 116	20	MS
Vanadium	51	0.2130	U	51.1410		51.6340		50.0000	50.0000	UG/L	102		103		1	86 - 115	20	MS
Zinc	66	98.0500		620.6940		630.5350		500.0000	500.0000	UG/L	105		106		2	83 - 119	20	MS

Note: Results shown are reported on an as-received basis.

<p>METHODS: P = ICP Atomic Emission Spectrometer CV = Cold Vapor MS = ICP Mass Spectrometry AF = Cold Vapor Atomic Fluorescence</p>	<p>CONCENTRATION QUALIFIERS: U = Below MDL, B = Below LOQ FLAGS: N = Matrix Spike OOS, * = Duplicate OOS</p>
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Background Lab Sample ID: 9240345BKG

Duplicate Lab Sample ID: 9240348DUP

Batch Number(s): 172771063902

Concentration Units: UG/L

Analyte	Mass	Control Limit	Samples (S)	C	Duplicate (D)	C	RPD	Q	M
Antimony	121		0.4510	U	0.4510	U			MS
Arsenic	75	4.0	4.1700		4.4110		6		MS
Barium	137	4.0	8.9630		6.9530		25		MS
Beryllium	9		0.1680	B	0.1680	B	0		MS
Cadmium	111		0.1520	U	0.1520	U			MS
Chromium	52		0.8700	U	0.8700	U			MS
Cobalt	59		94.6980		95.2380		1		MS
Copper	63		0.5360	U	0.5360	U			MS
Lead	208		0.1110	U	0.1110	U			MS
Manganese	55		4338.8950		4174.4170		4		MS
Molybdenum	98		0.2500	U	0.2500	U			MS
Nickel	60		104.0960		103.8580		0		MS
Selenium	78		0.5000	U	0.5000	U			MS
Silver	107		0.1460	U	0.1460	U			MS
Thallium	203		0.1170	U	0.1170	U			MS
Vanadium	51		0.2130	U	0.2130	U			MS
Zinc	66	30.0	98.0500		98.6990		1		MS

NOTE: An asterisk (*) in column "Q" indicates poor duplicate precision (RPD > 20% OR |(S) - (D)| > LOQ for values < 5x LOQ).

The data are considered to be valid because the laboratory control sample is within the control limits. See the Laboratory Control Sample.

Note: Results shown are reported on an as-received basis.

<p>METHODS:</p> <p>P = ICP Atomic Emission Spectrometer</p> <p>MS = ICP Mass Spectrometry</p> <p>CV = Cold Vapor</p> <p>AF = Cold Vapor Atomic Fluorescence</p>	<p>CONCENTRATION QUALIFIERS:</p> <p>U= Below MDL</p> <p>B= Below LOQ</p> <p>FLAGS:</p> <p>* = Duplicate Out of Spec</p>
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Analyte	Mass	Batch Number	Units	True	Found	C	Control Limits (%)	%R	M	In Spec
Antimony	121	172771063902	UG/L	6.000	5.634		85 - 117	94	MS	Yes
Arsenic	75	172771063902	UG/L	10.000	10.368		84 - 116	104	MS	Yes
Barium	137	172771063902	UG/L	50.000	49.804		86 - 114	100	MS	Yes
Beryllium	9	172771063902	UG/L	4.000	4.150		83 - 121	104	MS	Yes
Cadmium	111	172771063902	UG/L	5.000	5.149		87 - 115	103	MS	Yes
Chromium	52	172771063902	UG/L	50.000	50.542		85 - 116	101	MS	Yes
Cobalt	59	172771063902	UG/L	250.000	261.907		86 - 115	105	MS	Yes
Copper	63	172771063902	UG/L	50.000	53.752		85 - 118	108	MS	Yes
Lead	208	172771063902	UG/L	15.000	15.364		88 - 115	102	MS	Yes
Manganese	55	172771063902	UG/L	50.000	48.406		87 - 115	97	MS	Yes
Molybdenum	98	172771063902	UG/L	50.000	52.926		83 - 115	106	MS	Yes
Nickel	60	172771063902	UG/L	50.000	52.979		85 - 117	106	MS	Yes
Selenium	78	172771063902	UG/L	10.000	10.334		80 - 120	103	MS	Yes
Silver	107	172771063902	UG/L	50.000	52.532		85 - 116	105	MS	Yes
Thallium	203	172771063902	UG/L	2.000	1.969		82 - 116	98	MS	Yes
Vanadium	51	172771063902	UG/L	50.000	50.399		86 - 115	101	MS	Yes
Zinc	66	172771063902	UG/L	500.000	533.882		83 - 119	107	MS	Yes

METHODS:

P = ICP Atomic Emission Spectrometer
MS = ICP Mass Spectrometry
CV = Cold Vapor
AF = Cold Vapor Atomic Fluorescence

CONCENTRATION QUALIFIERS:

U= Below MDL
B= Below LOQ



QUALITY ASSURANCE SUMMARY

FORM 9

SERIAL DILUTIONS

SDG No.: SAI21

Matrix: WATER

Level (low/med): LOW

Background Lab Sample ID: 9240345BKG

Serial Dilution Lab Sample ID: 9240345L

Batch Number(s): 172771063902

Concentration Units: UG/L

Analyte	Mass	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Diff.	Q	M
Antimony	121	0.4510	U	2.2550	U			MS
Arsenic	75	4.1700		4.3500	B	4		MS
Barium	137	8.9630		8.8850	B	1		MS
Beryllium	9	0.1680	B	0.3565	U	100		MS
Cadmium	111	0.1520	U	0.7600	U			MS
Chromium	52	0.8700	U	4.3500	U			MS
Cobalt	59	94.6980		99.3000		5		MS
Copper	63	0.5360	U	2.6800	U			MS
Lead	208	0.1110	U	0.5550	U			MS
Manganese	55	4338.8950		4270.6300		2		MS
Molybdenum	98	0.2500	U	1.2500	U			MS
Nickel	60	104.0960		112.2050		8		MS
Selenium	78	0.5000	U	2.5000	U			MS
Silver	107	0.1460	U	0.7300	U			MS
Thallium	203	0.1170	U	0.5850	U			MS
Vanadium	51	0.2130	U	1.0650	U			MS
Zinc	66	98.0500		95.1550	B	3		MS

NOTE: An E in column Q indicates the presence of a chemical or physical interference in the matrix when the % difference is greater than 10%. This applies only when (I) is greater than or equal to 50x MDL for ICP, 100x MDL for ICP-MS (6020), 50x MDL for ICP-MS (200.8), or 25x MDL for GFAA.

<p>METHODS: P = ICP Atomic Emission Spectrometer MS = ICP Mass Spectrometry</p>	<p>CONCENTRATION QUALIFIERS: U= Below MDL B= Below LOQ</p> <p>FLAGS: E = Matrix Effects exist as proven by Serial Dilution or Spiked Dilution</p>
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Method: MS
Instrument ID: 19204
Date: 07/2017

Analyte	MASS (amu)	Background	IDL (UG/L)
Antimony	121		0.35
Arsenic	75		0.60
Barium	137		0.43
Beryllium	9		0.054
Cadmium	111		0.15
Chromium	52		0.50
Cobalt	59		0.17
Copper	63		0.40
Lead	208		0.088
Manganese	55		0.90
Molybdenum	98		0.25
Nickel	60		0.61
Selenium	78		0.50
Silver	107		0.12
Thallium	203		0.12
Vanadium	51		0.17
Zinc	66		2.6

Comments:

METHODS:

P = ICP Atomic Emission Spectrometer
MS = ICP Mass Spectrometry
CV = Cold Vapor
AF = Cold Vapor Atomic Fluorescence



Method: MS
Date: 06/2017

Analyte	Mass	Background	LOQ (UG/L)	MDL (UG/L)
Antimony	121		2.0	0.45
Arsenic	75		4.0	0.72
Barium	137		4.0	0.72
Beryllium	9		1.0	0.071
Cadmium	111		1.0	0.15
Chromium	52		4.0	0.87
Cobalt	59		1.0	0.16
Copper	63		4.0	0.54
Lead	208		2.0	0.11
Manganese	55		4.0	0.90
Molybdenum	98		1.0	0.25
Nickel	60		4.0	1.0
Selenium	78		4.0	0.50
Silver	107		1.0	0.15
Thallium	203		1.0	0.12
Vanadium	51		1.0	0.21
Zinc	66		30.0	3.9

The LOQ/MDL must be adjusted for % Solids and Sample Weight for samples reporting in mg/kg and ug/L.

Comments:

METHODS:

P = ICP Atomic Emission Spectrometer
MS = ICP Mass Spectrometry
CV = Cold Vapor
AF = Cold Vapor Atomic Fluorescence



Method: MS
Batch Number: 172771063902

Lab Sample ID	Date	Initial Volume(ml)	Final Volume(ml)
9240341	10/08/2017	50.00	50
9240342	10/08/2017	50.00	50
9240343	10/08/2017	50.00	50
9240344	10/08/2017	50.00	50
9240349	10/08/2017	50.00	50
9240345BKG	10/08/2017	50.00	50
9240348DUP	10/08/2017	50.00	50
9240347MSD	10/08/2017	50.00	50
9240346MS	10/08/2017	50.00	50
P27763BB	10/08/2017	50.00	50
P27763BQ	10/08/2017	1.00	1

METHODS: P = ICP Atomic Emission Spectrometer MS = ICP Mass Spectrometry CV = Cold Vapor AF = Cold Vapor Atomic Fluorescence	LEGEND: BKG = Background DUP = Duplicate MS = Matrix Spike MSD = Matrix Spike Duplicate B = Blank Q = Laboratory Control Sample Y = Laboratory Control Sample Duplicate
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Method: MS
Instrument ID: 19204
Run Name: 1728411E05

Run Start Date: 10/11/2017
Run End Date: 10/11/2017

Lab Sample ID	D/F	Time	Analytes																										
			S B	A S	B A	B E	C D	C R	C O	C U	P B	M N	M O	N I	S E	A G	T L	V Z	Z N										
S0	1.00	20:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
S	1.00	20:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCS	1.00	20:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCS	1.00	20:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV	1.00	20:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICB	1.00	20:23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LLC	1.00	20:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSA	1.00	20:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB	1.00	20:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	20:35																											
CCV	1.00	20:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB	1.00	20:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
P27763BB	1.00	20:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
P27763BQ	1.00	20:48	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9240345BKG	1.00	20:51	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9240345A	1.00	20:54																											
9240348DUP	1.00	20:57	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9240346MS	1.00	21:00	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9240347MSD	1.00	21:03	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9240345L	5.00	21:06	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9240341	1.00	21:10	X	X		X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9240342	1.00	21:13	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV	1.00	21:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB	1.00	21:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9240343	1.00	21:22	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9240344	1.00	21:25	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9240349	1.00	21:28	X	X		X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ	1.00	21:31																											
ZZZZZZ	1.00	21:34																											
ZZZZZZ	1.00	21:37																											
ZZZZZZ	1.00	21:41																											
ZZZZZZ	1.00	21:44																											
ZZZZZZ	1.00	21:47																											
ZZZZZZ	1.00	21:50																											
CCV	1.00	21:53	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB	1.00	21:56	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

<p>METHODS:</p> <p>P = ICP Atomic Emission Spectrometer MS = ICP Mass Spectrometry CV = Cold Vapor AF = Cold Vapor Atomic Fluorescence</p>	<p>LEGEND:</p> <p>BKG = Background DUP = Duplicate MS = Matrix Spike MSD = Matrix Spike Duplicate A = Post Digest Spike L = Serial Dilution B = Blank Q = Laboratory Control Sample Y = Laboratory Control Sample Duplicate</p>
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Method: MS
Instrument ID: 19204
Run Name: 1728503E05

Run Start Date: 10/12/2017
Run End Date: 10/12/2017

Lab Sample ID	D/F	Time	Analytes																											
			S B	A S	B A	B E	C D	C R	C O	C U	P B	M N	M O	N I	S E	A G	T L	V N	Z											
S0	1.00	04:17			X							X	X																	
S	1.00	04:19			X							X	X																	
CCS	1.00	04:21			X							X	X																	
CCS	1.00	04:23			X							X	X																	
ICV	1.00	04:25			X							X	X																	
ICB	1.00	04:26			X							X	X																	
LLC	1.00	04:28			X							X	X																	
ICSA	1.00	04:30			X							X	X																	
ICSAB	1.00	04:32			X							X	X																	
ZZZZZZ	1.00	04:34																												
CCV	1.00	04:36			X							X	X																	
CCB	1.00	04:37			X							X	X																	
P27763BQ	1.00	04:39			X																									
9240345BKG	1.00	04:41			X																									
9240345A	1.00	04:43																												
9240348DUP	1.00	04:45			X																									
9240346MS	1.00	04:47			X																									
9240347MSD	1.00	04:48			X																									
9240345L	5.00	04:50			X																									
9240341	1.00	04:52			X								X																	
9240342	1.00	04:54			X																									
9240343	1.00	04:56			X																									
CCV	1.00	04:58			X							X	X																	
CCB	1.00	05:00			X							X	X																	
9240344	1.00	05:01			X																									
9240349	1.00	05:03			X																									
9240349	5.00	05:05										X																		
ZZZZZZ	1.00	05:07																												
ZZZZZZ	1.00	05:09																												
ZZZZZZ	1.00	05:11																												
ZZZZZZ	1.00	05:12																												
ZZZZZZ	1.00	05:14																												
ZZZZZZ	1.00	05:16																												
ZZZZZZ	1.00	05:18																												
CCV	1.00	05:20			X							X																		
CCB	1.00	05:22			X							X																		

<p>METHODS: P = ICP Atomic Emission Spectrometer MS = ICP Mass Spectrometry CV = Cold Vapor AF = Cold Vapor Atomic Fluorescence</p>	<p>LEGEND: BKG = Background DUP = Duplicate MS = Matrix Spike MSD = Matrix Spike Duplicate A = Post Digest Spike L = Serial Dilution B = Blank Q = Laboratory Control Sample Y = Laboratory Control Sample Duplicate</p>
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Instrument ID: 19204
Run Name: 1728411E05

Start Date: 10/11/2017
End Date: 10/11/2017

Standard	Elements Applies to	Standard	Elements Applies to
BI-2-209	PB, TL	IN-1-115	SE
IN-2-115	AG, AS, BA, CD, CO, CU, MO, NI, SB, ZN	SC-2-45	CR, MN, V
SC-3-45	BE		

Lab Sample ID	Time	Internal Standards %RI For:													
		Element SC-2-45	Q	Element SC-3-45	Q	Element IN-1-115	Q	Element IN-2-115	Q	Element BI-2-209	Q	Element	Q	Element	Q
S0	20:08	100		100		100		100		100					
S	20:11	94		101		97		97		95					
CCS	20:14	94		98		99		94		97					
CCS	20:17	96		97		97		98		98					
ICV	20:20	96		101		98		96		97					
ICB	20:23	95		97		97		96		97					
LLC	20:26	94		98		97		98		97					
ICSA	20:29	87		91		89		86		84					
ICSAB	20:32	88		92		89		89		84					
ZZZZZZ	20:35														
CCV	20:39	94		98		95		91		92					
CCB	20:42	95		97		95		94		92					
P27763BB	20:45	92		97		95		100		94					
P27763BQ	20:48	95		99		97		93		95					
9240345BKG	20:51	89		97		96		94		93					
9240345A	20:54	90		97		95		93		93					
9240348DUP	20:57	90		97		93		92		92					
9240346MS	21:00	90		96		93		91		92					
9240347MSD	21:03	91		97		94		90		91					
9240345L	21:06	89		94		95		89		92					
9240341	21:10	90		94		94		93		92					
9240342	21:13	91		95		92		90		91					
CCV	21:16	91		96		95		93		92					
CCB	21:19	91		96		94		97		94					
9240343	21:22	90		97		96		91		93					
9240344	21:25	86		95		93		88		90					
9240349	21:28	88		94		94		90		92					
ZZZZZZ	21:31														
ZZZZZZ	21:34														
ZZZZZZ	21:37														
ZZZZZZ	21:41														

<p>LEGEND:</p> <p>BKG = Background MS = Matrix Spike DUP = Duplicate MSD = Matrix Spike Duplicate L = Serial Dilution A = Post Digest Spike B = Blank Q = Laboratory Control Sample Y = Laboratory Control Sample Duplicate</p> <p>FLAG:</p> <p>R = Internal Standard Relative Intensity OOS</p>	<p>INTERNAL STANDARD ELEMENTS:</p> <p>BE = Beryllium LI = Lithium BI = Bismuth SC = Scandium GE = Germanium TB = Terbium HO = Holmium Y = Yttrium IN = Indium</p>
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Instrument ID: 19204
Run Name: 1728411E05

Start Date: 10/11/2017
End Date: 10/11/2017

Standard	Elements Applies to	Standard	Elements Applies to
BI-2-209	PB, TL	IN-1-115	SE
IN-2-115	AG, AS, BA, CD, CO, CU, MO, NI, SB, ZN	SC-2-45	CR, MN, V
SC-3-45	BE		

Lab Sample ID	Time	Internal Standards %RI For:													
		Element SC-2-45	Q	Element SC-3-45	Q	Element IN-1-115	Q	Element IN-2-115	Q	Element BI-2-209	Q	Element	Q	Element	Q
ZZZZZZ	21:44														
ZZZZZZ	21:47														
ZZZZZZ	21:50														
CCV	21:53	88		94		94		91		94					
CCB	21:56	88		93		93		89		93					

LEGEND: BKG = Background MS = Matrix Spike DUP = Duplicate MSD = Matrix Spike Duplicate L = Serial Dilution A = Post Digest Spike B = Blank Q = Laboratory Control Sample Y = Laboratory Control Sample Duplicate FLAG: R = Internal Standard Relative Intensity OOS	INTERNAL STANDARD ELEMENTS: BE = Beryllium LI = Lithium BI = Bismuth SC = Scandium GE = Germanium TB = Terbium HO = Holmium Y = Yttrium IN = Indium
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Instrument ID: 19204
Run Name: 1728503E05

Start Date: 10/12/2017
End Date: 10/12/2017

Standard	Elements Applies to	Standard	Elements Applies to
IN-1-115	BA,MO	SC-1-45	MN

Lab Sample ID	Time	Internal Standards %RI For:											
		Element SC-1-45	Q	Element IN-1-115	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	04:17	100		100									
S	04:19	97		95									
CCS	04:21	99		99									
CCS	04:23	96		98									
ICV	04:25	102		97									
ICB	04:26	96		98									
LLC	04:28	101		103									
ICSA	04:30	92		92									
ICSAB	04:32	94		90									
ZZZZZZ	04:34												
CCV	04:36	99		101									
CCB	04:37	99		102									
P27763BQ	04:39	101		106									
9240345BKG	04:41			99									
9240345A	04:43			101									
9240348DUP	04:45			102									
9240346MS	04:47			104									
9240347MSD	04:48			104									
9240345L	04:50			108									
9240341	04:52			109									
9240342	04:54			104									
9240343	04:56			105									
CCV	04:58	111		109									
CCB	05:00	106		110									
9240344	05:01			110									
9240349	05:03			109									
9240349	05:05	108											
ZZZZZZ	05:07												
ZZZZZZ	05:09												
ZZZZZZ	05:11												
ZZZZZZ	05:12												

<p>LEGEND:</p> <p>BKG = Background MS = Matrix Spike DUP = Duplicate MSD = Matrix Spike Duplicate L = Serial Dilution A = Post Digest Spike B = Blank Q = Laboratory Control Sample Y = Laboratory Control Sample Duplicate</p> <p>FLAG:</p> <p>R = Internal Standard Relative Intensity OOS</p>	<p>INTERNAL STANDARD ELEMENTS:</p> <p>BE = Beryllium LI = Lithium BI = Bismuth SC = Scandium GE = Germanium TB = Terbium HO = Holmium Y = Yttrium IN = Indium</p>
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Instrument ID: 19204
Run Name: 1728503E05

Start Date: 10/12/2017
End Date: 10/12/2017

Standard	Elements Applies to	Standard	Elements Applies to
IN-1-115	BA,MO	SC-1-45	MN

Lab Sample ID	Time	Internal Standards %RI For:											
		Element SC-1-45	Q	Element IN-1-115	Q	Element	Q	Element	Q	Element	Q	Element	Q
ZZZZZZ	05:14												
ZZZZZZ	05:16												
ZZZZZZ	05:18												
CCV	05:20	113		114									
CCB	05:22	112		113									

LEGEND: BKG = Background MS = Matrix Spike DUP = Duplicate MSD = Matrix Spike Duplicate L = Serial Dilution A = Post Digest Spike B = Blank Q = Laboratory Control Sample Y = Laboratory Control Sample Duplicate FLAG: R = Internal Standard Relative Intensity OOS	INTERNAL STANDARD ELEMENTS: BE = Beryllium LI = Lithium BI = Bismuth SC = Scandium GE = Germanium TB = Terbium HO = Holmium Y = Yttrium IN = Indium
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EPA 300.0

CROSS REFERENCE TABLE

EPA 300.0

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Project Number: 112G08005-WE15

Client Sample ID:

TF1-GZ-106-091317

TF1-GT-117-091317

TF1-GT-108-091317

TF1-MW-1008-091317

TF1-DUP-04-091317

TF1-MW-7-091317

Lab Sample ID:

SC39221-01

SC39221-02

SC39221-03

SC39221-04

SC39221-05

SC39221-06

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport / 112G08005-WE15

SDG #: SC39221

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to EPA 300.0.

IV. PREPARATION

Aqueous samples were prepared according to General Preparation.

V. INSTRUMENTATION

The following equipment was used to analyze EPA 300.0:

IC3 details: Metrohm model 881 Compact Pro Ion Chromatograph

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1715756 from source sample TF1-MW-7-091317 (SC39221-06).

All method criteria were met with the following exceptions:

Sulfate as SO₄ in batch 1715756, lab sample 1715756-MS2 from source sample TF1-MW-7-091317 (SC39221-06): The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

3. Reference:

All method criteria were met.

D. Duplicates:

A duplicate was analyzed.

In batch 1715756 from source sample TF1-MW-7-091317 (SC39221-06).

All method criteria were met.

E. Samples:

All method criteria were met with the following exceptions:

Chloride in batch 1715756, samples TF1-DUP-04-091317 (SC39221-05), TF1-GT-108-091317 (SC39221-03), TF1-MW-1008-091317 (SC39221-04): Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

FORM III - BLANKS**EPA 300.0**Laboratory: Eurofins Spectrum Analytical, Inc. - MASDG: SC39221Client: Tetra Tech, Inc. - Salem, NHProject: WE15 Tank Farm 1 NAVSTA NewportInstrument ID: IC3Calibration: 1710011Sequence: S708851Matrix: Aqueous

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
1715756-CCB1	Chloride	BRL	1.00	mg/l	U	EPA 300.0
	Sulfate as SO4	BRL	1.00	mg/l	U	EPA 300.0
	Nitrate as N	BRL	0.100	mg/l	U	EPA 300.0
1715756-CCB2	Chloride	BRL	1.00	mg/l	U	EPA 300.0
	Sulfate as SO4	BRL	1.00	mg/l	U	EPA 300.0
	Nitrate as N	BRL	0.100	mg/l	U	EPA 300.0
1715756-CCB3	Chloride	BRL	1.00	mg/l	U	EPA 300.0
	Sulfate as SO4	BRL	1.00	mg/l	U	EPA 300.0
	Nitrate as N	BRL	0.100	mg/l	U	EPA 300.0
1715756-CCB4	Chloride	BRL	1.00	mg/l	U	EPA 300.0
	Sulfate as SO4	BRL	1.00	mg/l	U	EPA 300.0
	Nitrate as N	BRL	0.100	mg/l	U	EPA 300.0
1715756-CCB5	Chloride	BRL	1.00	mg/l	U	EPA 300.0
	Sulfate as SO4	BRL	1.00	mg/l	U	EPA 300.0
	Nitrate as N	BRL	0.100	mg/l	U	EPA 300.0
1715756-CCB6	Chloride	BRL	1.00	mg/l	U	EPA 300.0
	Sulfate as SO4	BRL	1.00	mg/l	U	EPA 300.0
	Nitrate as N	BRL	0.100	mg/l	U	EPA 300.0
1715756-BLK1	Chloride	BRL	1.00	mg/l	U	EPA 300.0
	Sulfate as SO4	BRL	1.00	mg/l	U	EPA 300.0
	Nitrate as N	BRL	0.100	mg/l	U	EPA 300.0
1715756-CCB7	Chloride	BRL	1.00	mg/l	U	EPA 300.0
	Sulfate as SO4	BRL	1.00	mg/l	U	EPA 300.0
	Nitrate as N	BRL	0.100	mg/l	U	EPA 300.0
1715756-CCB8	Chloride	BRL	1.00	mg/l	U	EPA 300.0
	Sulfate as SO4	BRL	1.00	mg/l	U	EPA 300.0
	Nitrate as N	BRL	0.100	mg/l	U	EPA 300.0
1715756-CCB9	Chloride	BRL	1.00	mg/l	U	EPA 300.0
	Sulfate as SO4	BRL	1.00	mg/l	U	EPA 300.0
	Nitrate as N	BRL	0.100	mg/l	U	EPA 300.0
1715756-CCBA	Chloride	BRL	1.00	mg/l	U	EPA 300.0
	Sulfate as SO4	BRL	1.00	mg/l	U	EPA 300.0
	Nitrate as N	BRL	0.100	mg/l	U	EPA 300.0
1715756-CCBB	Chloride	BRL	1.00	mg/l	U	EPA 300.0
	Sulfate as SO4	BRL	1.00	mg/l	U	EPA 300.0
	Nitrate as N	BRL	0.100	mg/l	U	EPA 300.0

FORM IIIc - DUPLICATES**TF1-MW-7-091317****EPA 300.0**Laboratory: Eurofins Spectrum Analytical, Inc. - MASDG: SC39221Client: Tetra Tech, Inc. - Salem, NHProject: WE15 Tank Farm 1 NAVSTA NewportMatrix: AqueousLaboratory ID: 1715756-DUP2Batch: 1715756Lab Source ID: SC39221-06Preparation: General PreparationInitial/Final: 5 ml / 5 mlSource Sample Name: TF1-MW-7-091317

% Solids:

File ID: 091417-046

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/l)	C	DUPLICATE CONCENTRATION (mg/l)	C	RPD %	Q	METHOD
Chloride	20	21.3		21.3		0.08		EPA 300.0
Sulfate as SO4	20	37.4		37.5		0.1		EPA 300.0
Nitrate as N	20	BRL		BDL				EPA 300.0

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IIIa - LCS / LCS DUPLICATE RECOVERY**EPA 300.0**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Matrix: Aqueous Instrument: IC3
Batch: 1715756 Laboratory ID: 1715756-BS1
Preparation: General Preparation Initial/Final: 5 ml / 5 ml
Analyzed: 09/15/17 05:55 Spike ID: 1710371
File ID: 091417-077

COMPOUND	SPIKE ADDED (mg/l)	LCS CONCENTRATION (mg/l)	LCS % REC. #	QC LIMITS REC.
Chloride	20.0	20.0	100	90 - 110
Sulfate as SO4	20.0	20.0	100	90 - 110
Nitrate as N	2.00	1.97	98	90 - 110

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IIIb (Organic) / FORM V (Inorganic)
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

TF1-MW-7-091317

EPA 300.0

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC39221</u>
Client:	<u>Tetra Tech, Inc. - Salem, NH</u>	Project:	<u>WE15 Tank Farm 1 NAVSTA Newport</u>
Matrix:	<u>Aqueous</u>	Instrument:	<u>IC3</u>
Batch:	<u>1715756</u>	Laboratory ID:	<u>1715756-MS2</u>
Preparation:	<u>General Preparation</u>	Initial/Final:	<u>5 ml / 5 ml</u>
Source Sample Name:	<u>TF1-MW-7-091317</u>	% Solids:	
		Spike ID:	1710115
		File ID:	<u>091417-072</u>

COMPOUND	SPIKE ADDED (mg/l)	SAMPLE CONCENTRATION (mg/l)	MS CONCENTRATION (mg/l)	MS % REC. #	QC LIMITS REC.
Chloride	8.00	21.3	28.8	94	90 - 110
Sulfate as SO4	8.00	37.4	44.4	88 *	90 - 110
Nitrate as N	0.800	BRL	0.745	93	90 - 110

File ID: 091417-073

COMPOUND	SPIKE ADDED (mg/l)	MSD CONCENTRATION (mg/l)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Chloride	8.00	29.0	96	0.6	20	90 - 110
Sulfate as SO4	8.00	44.7	91	0.6	20	90 - 110
Nitrate as N	0.800	0.771	96	3	20	90 - 110

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM VIIb(Inorganics) - STANDARD REFERENCE MATERIAL RECOVERY

EPA 300.0

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Spike ID: 1710370

Batch: 1715756

Laboratory ID: 1715756-SRM1

Preparation: General Preparation

Initial/Final: 5 ml / 5 ml

ANALYTE	TRUE (mg/l)	FOUND (mg/l)	SRM % REC.	QC LIMITS REC.
Chloride	25.0	24.6	98	90 - 110
Sulfate as SO4	25.0	25.0	100	90 - 110
Nitrate as N	2.50	2.37	95	90 - 110

* Values outside of QC limits

Organic/FORM IX(Inorganic) - METHOD DETECTION AND REPORTING LIMITS

EPA 300.0

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Analyte	MDL	MRL	Units
Chloride	0.0994	1.00	mg/l
	0.0994	1.00	mg/l
Nitrate as N	0.007	0.010	mg/l
Sulfate as SO4	0.798	1.00	mg/l
	0.798	1.00	mg/l
Nitrate as N	0.007	0.100	mg/l

**FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY**

EPA 300.0

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708848

Instrument: IC3

Calibration: 1710011

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Cal Standard	S708848-CAL3	081717-012	08/17/17 14:13
Cal Standard	S708848-CAL2	081717-013	08/17/17 14:29
Cal Standard	S708848-CAL4	081717-014	08/17/17 14:45
Cal Standard	S708848-CAL5	081717-015	08/17/17 15:01
Cal Standard	S708848-CAL6	081717-016	08/17/17 15:16
Cal Standard	S708848-CAL7	081717-017	08/17/17 15:32
Cal Standard	S708848-CAL8	081717-018	08/17/17 15:48
Cal Standard	S708848-CAL1	081717-025	08/17/17 17:39
Initial Cal Check	S708848-ICV1	081717-026	08/17/17 17:55
Initial Cal Blank	S708848-ICB1	081717-027	08/17/17 18:11

**FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY**

EPA 300.0

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708851

Instrument: IC3

Calibration: 1710011

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Calibration Check	1715756-CCV1	091417-014	09/14/17 13:12
Calibration Blank	1715756-CCB1	091417-015	09/14/17 13:28
Calibration Check	1715756-CCV2	091417-026	09/14/17 16:24
Calibration Blank	1715756-CCB2	091417-027	09/14/17 16:39
Calibration Check	1715756-CCV3	091417-038	09/14/17 19:32
Calibration Blank	1715756-CCB3	091417-039	09/14/17 19:48
TF1-GZ-106-091317	SC39221-01	091417-043	09/14/17 20:52
TF1-GT-117-091317	SC39221-02	091417-044	09/14/17 21:08
TF1-MW-7-091317	SC39221-06	091417-045	09/14/17 21:24
TF1-MW-7-091317	1715756-DUP2	091417-046	09/14/17 21:40
Calibration Check	1715756-CCV4	091417-050	09/14/17 22:43
Calibration Blank	1715756-CCB4	091417-051	09/14/17 22:59
TF1-GT-108-091317	SC39221-03	091417-058	09/15/17 00:52
TF1-MW-1008-091317	SC39221-04	091417-059	09/15/17 01:08
TF1-DUP-04-091317	SC39221-05	091417-060	09/15/17 01:24
Calibration Check	1715756-CCV5	091417-062	09/15/17 01:55
Calibration Blank	1715756-CCB5	091417-063	09/15/17 02:11
TF1-MW-7-091317	1715756-MS2	091417-072	09/15/17 04:35
TF1-MW-7-091317	1715756-MSD2	091417-073	09/15/17 04:51
Calibration Check	1715756-CCV6	091417-074	09/15/17 05:07
Calibration Blank	1715756-CCB6	091417-075	09/15/17 05:23
Blank	1715756-BLK1	091417-076	09/15/17 05:39
LCS	1715756-BS1	091417-077	09/15/17 05:55
Reference	1715756-SRM1	091417-078	09/15/17 06:11
TF1-GT-108-091317	SC39221-03	091417-080	09/15/17 06:43
TF1-MW-1008-091317	SC39221-04	091417-081	09/15/17 06:59
TF1-DUP-04-091317	SC39221-05	091417-082	09/15/17 07:14
Calibration Check	1715756-CCV7	091417-086	09/15/17 08:17
Calibration Blank	1715756-CCB7	091417-087	09/15/17 08:33
Calibration Check	1715756-CCV8	091417-089	09/15/17 09:05
Calibration Blank	1715756-CCB8	091417-090	09/15/17 09:21
Calibration Check	1715756-CCV9	091417-092	09/15/17 10:14
Calibration Blank	1715756-CCB9	091417-093	09/15/17 10:30

**FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY**

EPA 300.0

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708851

Instrument: IC3

Calibration: 1710011

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Calibration Check	1715756-CCVA	091417-094	09/15/17 12:27
Calibration Blank	1715756-CCBA	091417-095	09/15/17 12:43
Calibration Check	1715756-CCVB	091417-097	09/15/17 13:15
Calibration Blank	1715756-CCBB	091517-001	09/15/17 13:31

SM5310B (00, 11)

CROSS REFERENCE TABLE

SM5310B (00, 11)

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112G08005-WE15

Client Sample ID:	Lab Sample ID:
<u>TF1-GT-117-091317</u>	<u>SC39221-02</u>
<u>TF1-GT-108-091317</u>	<u>SC39221-03</u>
<u>TF1-MW-1008-091317</u>	<u>SC39221-04</u>
<u>TF1-DUP-04-091317</u>	<u>SC39221-05</u>
<u>TF1-MW-7-091317</u>	<u>SC39221-06</u>
<u>TF1-GT-125-091317</u>	<u>SC39221-09</u>

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport / 112G08005-WE15

SDG #: SC39221

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception or a communication form is included in the addendum with this package.

II. HOLDING TIMES

All samples were prepared and analyzed within the method-specific holding time.

III. METHODS

Analyses were performed according to SM5310B (00, 11).

IV. PREPARATION

Aqueous samples were prepared according to General Preparation.

V. INSTRUMENTATION

The following equipment was used to analyze SM5310B (00, 11):

TOC4 details: Shimadzu TOC-L

VI. ANALYSIS

A. Calibration:

All quality control samples were within the acceptance criteria.

B. Blanks:

All blanks were within the acceptance criteria.

C. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met.

2. Matrix Spike / Matrix Spike Duplicate Samples (MS/MSD):

A matrix spike and a matrix spike duplicate were analyzed:

In batch 1716292 from source sample TF1-MW-7-091317 (SC39221-06).

All method criteria were met.

3. Reference:

All method criteria were met.

D. Duplicates:

A duplicate was analyzed.

In batch 1716292 from source sample TF1-MW-7-091317 (SC39221-06).

All method criteria were met.

E. Samples:

All method criteria were met.

FORM III - BLANKS
SM5310B (00, 11)

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Instrument ID: TOC4

Calibration: 1706085

Sequence: S705799

Matrix: Aqueous

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S705799-ICB1	Total Organic Carbon	0.3281	1.00	mg/l	J	SM5310B (00, 11)

FORM III - BLANKS
SM5310B (00, 11)

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Instrument ID: TOC4

Calibration: 1706085

Sequence: S708483

Matrix: Aqueous

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
1716292-CCB1	Total Organic Carbon	BRL	1.00	mg/l	U	SM5310B (00, 11)
1716292-BLK1	Total Organic Carbon	0.330	1.00	mg/l	J	SM5310B (00, 11)
1716292-CCB2	Total Organic Carbon	0.3171	1.00	mg/l	J	SM5310B (00, 11)
1716292-CCB3	Total Organic Carbon	BRL	1.00	mg/l	U	SM5310B (00, 11)
1716292-CCB4	Total Organic Carbon	BRL	1.00	mg/l	U	SM5310B (00, 11)

FORM IIIc - DUPLICATES

TF1-MW-7-091317

SM5310B (00, 11)

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Laboratory ID: 1716292-DUP1

Batch: 1716292

Lab Source ID: SC39221-06

Preparation: General Preparation

Initial/Final: 40 ml / 40 ml

Source Sample Name: TF1-MW-7-091317

% Solids:

File ID: 1716292+1716264 092217-016

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/l)	C	DUPLICATE CONCENTRATION (mg/l)	C	RPD %	Q	METHOD
Total Organic Carbon	20	0.475		0.484		2		SM5310B (00, 11)

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SM5310B (00, 11)

Laboratory: <u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG: <u>SC39221</u>
Client: <u>Tetra Tech, Inc. - Salem, NH</u>	Project: <u>WE15 Tank Farm 1 NAVSTA Newport</u>
Matrix: <u>Aqueous</u>	Instrument: <u>TOC4</u>
Batch: <u>1716292</u>	Laboratory ID: <u>1716292-BS1</u>
Preparation: <u>General Preparation</u>	Initial/Final: <u>40 ml / 40 ml</u>
Analyzed: <u>09/22/17 14:25</u>	Spike ID: <u>17I0653</u>
	File ID: <u>1716292+1716264_092217-004</u>

COMPOUND	SPIKE ADDED (mg/l)	LCS CONCENTRATION (mg/l)	LCS % REC. #	QC LIMITS REC.
Total Organic Carbon	15.0	13.8	92	85 - 115

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IIIb (Organic) / FORM V (Inorganic)
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

TF1-MW-7-091317

SM5310B (00, 11)

Laboratory: <u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG: <u>SC39221</u>
Client: <u>Tetra Tech, Inc. - Salem, NH</u>	Project: <u>WE15 Tank Farm 1 NAVSTA Newport</u>
Matrix: <u>Aqueous</u>	Instrument: <u>TOC4</u>
Batch: <u>1716292</u>	Laboratory ID: <u>1716292-MS1</u>
Preparation: <u>General Preparation</u>	Initial/Final: <u>40 ml / 40 ml</u>
Source Sample Name: <u>TF1-MW-7-091317</u>	% Solids:
	Spike ID: <u>16E0251</u>
	File ID: <u>1716292+1716264_092217-017</u>

COMPOUND	SPIKE ADDED (mg/l)	SAMPLE CONCENTRATION (mg/l)	MS CONCENTRATION (mg/l)	MS % REC. #	QC LIMITS REC.
Total Organic Carbon	5.00	0.475	5.15	93	70 - 130

File ID: 1716292+1716264_092217-018

COMPOUND	SPIKE ADDED (mg/l)	MSD CONCENTRATION (mg/l)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Total Organic Carbon	5.00	5.13	93	0.4	30	70 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM VIIb(Inorganics) - STANDARD REFERENCE MATERIAL RECOVERY

SM5310B (00, 11)

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Spike ID: 17H0608

Batch: 1716292

Laboratory ID: 1716292-SRM1

Preparation: General Preparation

Initial/Final: 40 ml / 40 ml

ANALYTE	TRUE (mg/l)	FOUND (mg/l)	SRM % REC.	QC LIMITS REC.
Total Organic Carbon	14.6	14.2	97	88 - 112

* Values outside of QC limits

Organic/FORM IX(Inorganic) - METHOD DETECTION AND REPORTING LIMITS
SM5310B (00, 11)

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Analyte	MDL	MRL	Units
Total Organic Carbon	0.238	1.00	mg/l

**FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY**

SM5310B (00, 11)

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S705799

Instrument: TOC4

Calibration: 1706085

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Cal Standard	S705799-CAL1	0-100 062217-012	06/21/17 13:22
Cal Standard	S705799-CAL2	0-100 062217-016	06/21/17 13:48
Cal Standard	S705799-CAL3	0-100 062217-020	06/21/17 14:10
Cal Standard	S705799-CAL4	0-100 062217-024	06/21/17 14:33
Cal Standard	S705799-CAL5	0-100 062217-028	06/21/17 14:55
Cal Standard	S705799-CAL6	0-100 062217-032	06/21/17 15:18
Cal Standard	S705799-CAL7	0-100 062217-036	06/21/17 15:41
Cal Standard	S705799-CAL8	0-100 062217-040	06/21/17 16:04
Initial Cal Check	S705799-ICV1	0-100 062217-044	06/21/17 16:26
Initial Cal Blank	S705799-ICB1	0-100 062217-048	06/21/17 16:43

SM18-22 5210B

CROSS REFERENCE TABLE

SM18-22 5210B

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC39221
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112G08005-WE15

Client Sample ID:	Lab Sample ID:
<u>TF1-GZ-106-091317</u>	<u>SC39221-01</u>
<u>TF1-GT-117-091317</u>	<u>SC39221-02</u>
<u>TF1-GT-108-091317</u>	<u>SC39221-03</u>
<u>TF1-MW-1008-091317</u>	<u>SC39221-04</u>
<u>TF1-DUP-04-091317</u>	<u>SC39221-05</u>
<u>TF1-MW-7-091317</u>	<u>SC39221-06</u>

FORM III - BLANKS

SM18-22 5210B

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Instrument ID: DO Meter

Calibration: UNASSIGNED

Sequence: S708497

Matrix: Aqueous

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
1715902-BLK1	Biochemical Oxygen Demand (5-day	BRL	3.00	mg/l	U	SM18-22 5210B
1715902-BLK2	Biochemical Oxygen Demand (5-day	BRL	3.00	mg/l	U	SM18-22 5210B

FORM IIIb (Organic) / FORM V (Inorganic)
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

TF1-MW-7-091317

SM18-22 5210B

Laboratory: <u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG: <u>SC39221</u>
Client: <u>Tetra Tech, Inc. - Salem, NH</u>	Project: <u>WE15 Tank Farm 1 NAVSTA Newport</u>
Matrix: <u>Aqueous</u>	Instrument: <u>DO Meter</u>
Batch: <u>1715902</u>	Laboratory ID: <u>1715902-MS1</u>
Preparation: <u>General Preparation</u>	Initial/Final: <u>300 ml / 300 ml</u>
Source Sample Name: <u>TF1-MW-7-091317</u>	% Solids:
	Spike ID: 17H0348
	File ID:

COMPOUND	SPIKE ADDED (mg/l)	SAMPLE CONCENTRATION (mg/l)	MS CONCENTRATION (mg/l)	MS % REC. #	QC LIMITS REC.
Biochemical Oxygen Demand (5-day)	59.4	BRL	53.0	89	75 - 125

File ID:

COMPOUND	SPIKE ADDED (mg/l)	MSD CONCENTRATION (mg/l)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Biochemical Oxygen Demand (5-day)	59.4	53.0	89	0	20	75 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SM18-22 5210B

Laboratory: <u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG: <u>SC39221</u>
Client: <u>Tetra Tech, Inc. - Salem, NH</u>	Project: <u>WE15 Tank Farm 1 NAVSTA Newport</u>
Matrix: <u>Aqueous</u>	Instrument: <u>DO Meter</u>
Batch: <u>1715902</u>	Laboratory ID: <u>1715902-BS1</u>
Preparation: <u>General Preparation</u>	Initial/Final: <u>300 ml / 300 ml</u>
Analyzed: <u>09/25/17 10:32</u>	Spike ID: <u>17H0348</u>
	File ID:

COMPOUND	SPIKE ADDED (mg/l)	LCS CONCENTRATION (mg/l)	LCS % REC. #	QC LIMITS REC.
Biochemical Oxygen Demand (5-day)	198	202	102	85 - 115

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM VIIb(Inorganics) - STANDARD REFERENCE MATERIAL RECOVERY

SM18-22 5210B

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Spike ID: 1710355

Batch: 1715902

Laboratory ID: 1715902-SRM1

Preparation: General Preparation

Initial/Final: 300 ml / 300 ml

ANALYTE	TRUE (mg/l)	FOUND (mg/l)	SRM % REC.	QC LIMITS REC.
Biochemical Oxygen Demand (5-day)	45.6	42.0	92	67 - 133

* Values outside of QC limits

FORM VIIb(Inorganics) - STANDARD REFERENCE MATERIAL RECOVERY

SM18-22 5210B

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Spike ID: 1710355

Batch: 1715902

Laboratory ID: 1715902-SRM2

Preparation: General Preparation

Initial/Final: 300 ml / 300 ml

ANALYTE	TRUE (mg/l)	FOUND (mg/l)	SRM % REC.	QC LIMITS REC.
Biochemical Oxygen Demand (5-day)	45.6	40.0	88	67 - 133

* Values outside of QC limits

Organic/FORM IX(Inorganic) - METHOD DETECTION AND REPORTING LIMITS

SM18-22 5210B

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Analyte	MDL	MRL	Units
Biochemical Oxygen Demand (5-day)	2.74	3.00	mg/l

PREPARATION BENCH SHEET

1715902

Balance ID NA

Matrix: Aqueous

Prepared using: Wet Chem - General Preparation

(No Surrogate)

Lab Number	Client ID	ID	Analysis	Initial (ml)	Final (ml)	Spike ID	Source ID	Due Date	Pipet ID	Sample Comments
1715902-BLK1	Blank		QC	300	300					
1715902-BLK2	Blank		QC	300	300					
1715902-BS1	LCS		QC	300	300	17H0348				
1715902-DUP1	Duplicate		QC	300	300		SC39261-01			
1715902-MS1	Matrix Spike		QC	300	300	17H0348	SC39221-06			
1715902-MSD1	Matrix Spike Dup		QC	300	300	17H0348	SC39221-06			
1715902-SRM1	Reference		QC	300	300	17I0355				
1715902-SRM2	Reference		QC	300	300	17I0355				
SC39219-01	LPTP - Influent	C	wc-BOD/5-day	300	300			25-Sep-17 16:00		
SC39220-02	SAMPLE LOCATION #1	C	wc-BOD/5-day	300	300			25-Sep-17 16:00		
SC39221-01	TF1-GZ-106-091317	C	wc-BOD/5-day	300	300			25-Sep-17 16:00		DoD Level IV
SC39221-02	TF1-GT-117-091317	N	wc-BOD/5-day	300	300			25-Sep-17 16:00		DoD Level IV
SC39221-03	TF1-GT-108-091317	N	wc-BOD/5-day	300	300			25-Sep-17 16:00		DoD Level IV
SC39221-04	TF1-MW-1008-091317	T	wc-BOD/5-day	300	300			25-Sep-17 16:00		DoD Level IV
SC39221-05	TF1-DUP-04-091317	N	wc-BOD/5-day	300	300			25-Sep-17 16:00		DoD Level IV
SC39221-06	TF1-MW-7-091317	AW	wc-BOD/5-day	300	300			25-Sep-17 16:00		Run MS/MSD/DoD Level IV
SC39229-01	0101	A	wc-BOD/5-day	300	300			25-Sep-17 16:00		
SC39230-01	0101	A	wc-BOD/5-day	300	300			25-Sep-17 16:00		
SC39261-01	7528-I	A	wc-BOD/5-day	300	300			26-Sep-17 16:00		
SC39261-03	7530-E	A	wc-BOD/5-day	300	300			26-Sep-17 16:00		

wc-BOD5 9/15/17

TN
Analyst Reviewed

09/25/17
Date

BD
Manager Reviewed

9/25/17
Date

Extracts Received By

Date

SM2320B (97, 11)

CROSS REFERENCE TABLE

SM2320B (97, 11)

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Project Number: 112G08005-WE15

Client Sample ID:

Lab Sample ID:

TF1-GZ-106-091317

SC39221-01

TF1-GT-117-091317

SC39221-02

TF1-GT-108-091317

SC39221-03

TF1-MW-1008-091317

SC39221-04

TF1-DUP-04-091317

SC39221-05

TF1-MW-7-091317

SC39221-06

FORM III - BLANKS
SM2320B (97, 11)

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Instrument ID: Titration

Calibration:

Sequence:

Matrix: Aqueous

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
1715985-BLK1	Total Alkalinity	2.30	4.00	mg/l CaCO3	J	SM2320B (97, 11)
1715985-BLK2	Total Alkalinity	BRL	4.00	mg/l CaCO3	U	SM2320B (97, 11)
1715985-BLK3	Total Alkalinity	BRL	4.00	mg/l CaCO3	U	SM2320B (97, 11)
1715985-BLK4	Total Alkalinity	BRL	4.00	mg/l CaCO3	U	SM2320B (97, 11)

No samples affected by BLK1

FORM IIIb (Organic) / FORM V (Inorganic)
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

TF1-MW-7-091317

SM2320B (97, 11)

Laboratory: <u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG: <u>SC39221</u>
Client: <u>Tetra Tech, Inc. - Salem, NH</u>	Project: <u>WE15 Tank Farm 1 NAVSTA Newport</u>
Matrix: <u>Aqueous</u>	Instrument: <u>Titration</u>
Batch: <u>1715985</u>	Laboratory ID: <u>1715985-MS1</u>
Preparation: <u>General Preparation</u>	Initial/Final: <u>100 ml / 50 ml</u>
Source Sample Name: <u>TF1-MW-7-091317</u>	% Solids:
	Spike ID: <u>17H0352</u>
	File ID: <u>DTOOL Alk 2017-09-20 1521-026</u>

COMPOUND	SPIKE ADDED (mg/l)	SAMPLE CONCENTRATION (mg/l CaCO3)	MS CONCENTRATION (mg/l CaCO3)	MS % REC. #	QC LIMITS REC.
Total Alkalinity	25.0	41.6	46.6	20 *	80 - 120

File ID: DTOOL Alk 2017-09-20 1521-027

COMPOUND	SPIKE ADDED (mg/l)	MSD CONCENTRATION (mg/l CaCO3)	MSD % REC. #		QC LIMITS	
			% REC. #	% RPD #	RPD	REC.
Total Alkalinity	25.0	46.1	18 *	1	20	80 - 120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM IIIc - DUPLICATES**TF1-MW-7-091317****SM2320B (97, 11)**Laboratory: Eurofins Spectrum Analytical, Inc. - MASDG: SC39221Client: Tetra Tech, Inc. - Salem, NHProject: WE15 Tank Farm 1 NAVSTA NewportMatrix: AqueousLaboratory ID: 1715985-DUP1Batch: 1715985Lab Source ID: SC39221-06Preparation: General PreparationInitial/Final: 100 ml / 50 mlSource Sample Name: TF1-MW-7-091317

% Solids:

File ID: DTOOL Alk 2017-09-20 1521-025

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/l CaCO3)	C	DUPLICATE CONCENTRATION (mg/l CaCO3)	C	RPD %	Q	METHOD
Total Alkalinity	20	41.6		41.1		1		SM2320B (97, 11)

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IIIa - LCS / LCS DUPLICATE RECOVERY
SM2320B (97, 11)

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC39221</u>
Client:	<u>Tetra Tech, Inc. - Salem, NH</u>	Project:	<u>WE15 Tank Farm 1 NAVSTA Newport</u>
Matrix:	<u>Aqueous</u>	Instrument:	Titrator
Batch:	<u>1715985</u>	Laboratory ID:	<u>1715985-BS1</u>
Preparation:	<u>General Preparation</u>	Initial/Final:	<u>50 ml / 50 ml</u>
Analyzed:	<u>09/20/17 15:23</u>	Spike ID:	17H0352
		File ID:	<u>DTOOL Alk 2017-09-20 1521-002</u>

COMPOUND	SPIKE ADDED (mg/l CaCO ₃)	LCS CONCENTRATION (mg/l CaCO ₃)	LCS % REC. #	QC LIMITS REC.
Total Alkalinity	50.0	51.3	103	90 - 110

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IIIa - LCS / LCS DUPLICATE RECOVERY
SM2320B (97, 11)

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC39221</u>
Client:	<u>Tetra Tech, Inc. - Salem, NH</u>	Project:	<u>WE15 Tank Farm 1 NAVSTA Newport</u>
Matrix:	<u>Aqueous</u>	Instrument:	Titrator
Batch:	<u>1715985</u>	Laboratory ID:	<u>1715985-BS2</u>
Preparation:	<u>General Preparation</u>	Initial/Final:	<u>50 ml / 50 ml</u>
Analyzed:	<u>09/20/17 16:04</u>	Spike ID:	17H0352
		File ID:	<u>DTOOL Alk 2017-09-20 1521-012</u>

COMPOUND	SPIKE ADDED (mg/l CaCO ₃)	LCS CONCENTRATION (mg/l CaCO ₃)	LCS % REC. #	QC LIMITS REC.
Total Alkalinity	50.0	51.7	103	90 - 110

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IIIa - LCS / LCS DUPLICATE RECOVERY
SM2320B (97, 11)

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC39221</u>
Client:	<u>Tetra Tech, Inc. - Salem, NH</u>	Project:	<u>WE15 Tank Farm 1 NAVSTA Newport</u>
Matrix:	<u>Aqueous</u>	Instrument:	Titrator
Batch:	<u>1715985</u>	Laboratory ID:	<u>1715985-BS3</u>
Preparation:	<u>General Preparation</u>	Initial/Final:	<u>50 ml / 50 ml</u>
Analyzed:	<u>09/20/17 17:09</u>	Spike ID:	17H0352
		File ID:	<u>DTOOL Alk 2017-09-20 1521-024</u>

COMPOUND	SPIKE ADDED (mg/l CaCO ₃)	LCS CONCENTRATION (mg/l CaCO ₃)	LCS % REC. #	QC LIMITS REC.
Total Alkalinity	50.0	51.6	103	90 - 110

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM IIIa - LCS / LCS DUPLICATE RECOVERY
SM2320B (97, 11)

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC39221</u>
Client:	<u>Tetra Tech, Inc. - Salem, NH</u>	Project:	<u>WE15 Tank Farm 1 NAVSTA Newport</u>
Matrix:	<u>Aqueous</u>	Instrument:	Titrator
Batch:	<u>1715985</u>	Laboratory ID:	<u>1715985-BS4</u>
Preparation:	<u>General Preparation</u>	Initial/Final:	<u>50 ml / 50 ml</u>
Analyzed:	<u>09/20/17 17:42</u>	Spike ID:	17H0352
		File ID:	<u>DTOOL Alk 2017-09-20 1521-032</u>

COMPOUND	SPIKE ADDED (mg/l CaCO3)	LCS CONCENTRATION (mg/l CaCO3)	LCS % REC. #	QC LIMITS REC.
Total Alkalinity	50.0	50.8	102	90 - 110

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Individual peaks for multi-component analytes are indicated by a number in parentheses

FORM VIIb(Inorganics) - STANDARD REFERENCE MATERIAL RECOVERY

SM2320B (97, 11)

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Spike ID: 17H0359

Batch: 1715985

Laboratory ID: 1715985-SRM1

Preparation: General Preparation

Initial/Final: 15 ml / 50 ml

ANALYTE	TRUE (mg/l CaCO ₃)	FOUND (mg/l CaCO ₃)	SRM % REC.	QC LIMITS REC.
Total Alkalinity	124	125	101	92 - 111

* Values outside of QC limits

Organic/FORM IX(Inorganic) - METHOD DETECTION AND REPORTING LIMITS
SM2320B (97, 11)

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC39221

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Analyte	MDL	MRL	Units
Total Alkalinity	1.05	4.00	mg/l CaCO ₃

PREPARATION BENCH SHEET

1715985

Balance ID MA

Matrix: Aqueous

Prepared using: Wet Chem - General Preparation

(No Surrogate)

Lab Number	Client ID	ID	Analysis	Initial (ml)	Final (ml)	Spike ID	Source ID	Due Date	Pipet ID	Sample Comments
1715985-BLK1	Blank		QC	50	50					
1715985-BLK2	Blank		QC	50	50					
1715985-BLK3	Blank		QC	50	50					
1715985-BLK4	Blank		QC	50	50					
1715985-BS1	LCS		QC	50	50	17H0352				
1715985-BS2	LCS		QC	50	50	17H0352				
1715985-BS3	LCS		QC	50	50	17H0352				
1715985-BS4	LCS		QC	50	50	17H0352				
1715985-DUP1	Duplicate		QC	100	50		SC39221-06			
1715985-MS1	Matrix Spike		QC	100	50	17H0352	SC39221-06			
1715985-MSD1	Matrix Spike Dup		QC	100	50	17H0352	SC39221-06			
1715985-SRM1	Reference		QC	15	50	17H0359				
SC39153-07	MW-22	F	wc-Alkalinity S	20	50			22-Sep-17 16:00		
SC39153-08	MW-11	F	wc-Alkalinity S	20	50			22-Sep-17 16:00		
SC39163-01	TF1-GT-130-091217	N	wc-Alkalinity S	100	50			22-Sep-17 16:00		DoD Level IV
SC39163-02	TF1-GT-115-091217	O	wc-Alkalinity S	50	50			22-Sep-17 16:00		DoD Level IV
SC39163-03	TF1-GT-111-091217	N	wc-Alkalinity S	100	50			22-Sep-17 16:00		DoD Level IV
SC39163-04	TF1-GT-118-091217	O	wc-Alkalinity S	50	50			22-Sep-17 16:00		DoD Level IV
SC39163-05	TF1-DUP-03-091217	O	wc-Alkalinity S	50	50			22-Sep-17 16:00		DoD Level IV
SC39163-06	TF1-MW-1004-09 217	N	wc-Alkalinity S	100	50			22-Sep-17 16:00		DoD Level IV
SC39215-01	BED-GW-MW12R-09142017	H	wc-Alkalinity S	100	50			25-Sep-17 16:00		DoD Level IV
SC39215-03	BED-GW-MW21R-09142017	H	wc-Alkalinity S	100	50			25-Sep-17 16:00		DoD Level IV

BD 10/5/17
 Analyst Reviewed Date

[Signature] 10/5/17
 Manager Reviewed Date

Extracts Received By _____ Date _____

PREPARATION BENCH SHEET

1715985

Balance ID NA

Matrix: Aqueous

Prepared using: Wet Chem - General Preparation

(No Surrogate)

Lab Number	Client ID	ID	Analysis	Initial (ml)	Final (ml)	Spike ID	Source ID	Due Date	Pipet ID	Sample Comments
SC39215-07	BED-GW-DUP04-09142017	H	wc-Alkalinity S	100	50			25-Sep-17 16:00		DoD Level IV
SC39221-01	TF1-GZ-106-091317	D	wc-Alkalinity S	100	50			25-Sep-17 16:00		DoD Level IV
SC39221-02	TF1-GT-117-091317	N	wc-Alkalinity S	100	50			25-Sep-17 16:00		DoD Level IV
SC39221-03	TF1-GT-108-091317	N	wc-Alkalinity S	100	50			25-Sep-17 16:00		DoD Level IV
SC39221-04	TF1-MW-1008-091317	T	wc-Alkalinity S	100	50			25-Sep-17 16:00		DoD Level IV
SC39221-05	TF1-DUP-04-091317	N	wc-Alkalinity S	100	50			25-Sep-17 16:00		DoD Level IV
SC39221-06	TF1-MW-7-091317	AX	wc-Alkalinity S	100	50			25-Sep-17 16:00		Run MS/MSD/DoD Level IV
SC39253-01	B-201D	E	wc-Alkalinity S	100	50			26-Sep-17 16:00		
SC39253-02	B-1A	E	wc-Alkalinity S	100	50			26-Sep-17 16:00		
SC39253-03	B-3A	E	wc-Alkalinity S	50	50			26-Sep-17 16:00		

9/18/17

Reagents Used:

BD 10/5/17
 Analyst Reviewed Date

[Signature] 10.05.17
 Manager Reviewed Date

 Extracts Received By Date

Printed: 10/5/2017 4:23:30PM

Method: ALK **End point titration (EP)** **5/4/2016 1:21 PM**
Start time: 9/20/2017 3:21 PM

Results

No.	Note / ID	Start time	Sample size and results		
1	1715985-BLK1 BLK1	9/20/2017 3:21 PM	50.0	mL	
			R1 = 0.115	mg/L	ml titrated
			R2 = 2.300	mg/L	Alkalinity
2	1715985-BS1 BS1	9/20/2017 3:23 PM	50.0	mL	
			R1 = 2.564	mg/L	ml titrated
			R2 = 51.287	mg/L	Alkalinity
3	1715985-SRM1 SRM1	9/20/2017 3:28 PM	50.0	mL	
			R1 = 1.870	mg/L	ml titrated
			R2 = 37.404	mg/L	Alkalinity
4	SC39153-07 MW22	9/20/2017 3:32 PM	50.0	mL	
			R1 = 9.645	mg/L	ml titrated
			R2 = 192.895	mg/L	Alkalinity
5	SC39153-08 MW11	9/20/2017 3:39 PM	50.0	mL	
			R1 = 4.056	mg/L	ml titrated
			R2 = 81.120	mg/L	Alkalinity
6	SC39163-01 GT103	9/20/2017 3:44 PM	50.0	mL	
			R1 = 4.877	mg/L	ml titrated
			R2 = 97.546	mg/L	Alkalinity
7	SC39163-02 GT115	9/20/2017 3:48 PM	50.0	mL	
			R1 = 3.515	mg/L	ml titrated
			R2 = 70.297	mg/L	Alkalinity
8	SC39163-03 GT111	9/20/2017 3:52 PM	50.0	mL	
			R1 = 6.437	mg/L	ml titrated
			R2 = 128.748	mg/L	Alkalinity
9	SC39163-04 GT118	9/20/2017 3:57 PM	50.0	mL	
			R1 = 1.370	mg/L	ml titrated
			R2 = 27.409	mg/L	Alkalinity
10	SC39163-05 DUP03	9/20/2017 4:00 PM	50.0	mL	
			R1 = 1.357	mg/L	ml titrated
			R2 = 27.149	mg/L	Alkalinity
11	1715985-BLK2 BLK2	9/20/2017 4:03 PM	50.0	mL	
			R1 = 0.000	mg/L	ml titrated
			R2 = 0.000	mg/L	Alkalinity
12	1715985-BS2 BS2	9/20/2017 4:04 PM	50.0	mL	
			R1 = 2.584	mg/L	ml titrated
			R2 = 51.689	mg/L	Alkalinity
13	SC39163-06 MW1004	9/20/2017 4:09 PM	50.0	mL	
			R1 = 2.563	mg/L	ml titrated
			R2 = 51.258	mg/L	Alkalinity
14	SC39215-01 MW12R	9/20/2017 4:12 PM	50.0	mL	
			R1 = 21.282	mg/L	ml titrated
			R2 = 425.637	mg/L	Alkalinity
15	SC39215-03 MW21R	9/20/2017 4:27 PM	50.0	mL	

Method: ALK **End point titration (EP)** **5/4/2016 1:21 PM**
Start time: 9/20/2017 3:21 PM

			R1 = 6.389	mg/L	ml titrated
			R2 = 127.785	mg/L	Alkalinity
16	SC39215-07 DUP04	9/20/2017 4:35 PM	50.0	mL	
			R1 = 6.178	mg/L	ml titrated
			R2 = 123.552	mg/L	Alkalinity
17	SC39221-01 GZ106	9/20/2017 4:42 PM	50.0	mL	
			R1 = 1.878	mg/L	ml titrated
			R2 = 37.555	mg/L	Alkalinity
18	SC39221-02 GZ117	9/20/2017 4:45 PM	50.0	mL	
			R1 = 5.439	mg/L	ml titrated
			R2 = 108.784	mg/L	Alkalinity
19	SC39221-03 GZ108	9/20/2017 4:50 PM	50.0	mL	
			R1 = 4.748	mg/L	ml titrated
			R2 = 94.956	mg/L	Alkalinity
20	SC39221-04 MW1008	9/20/2017 4:55 PM	50.0	mL	
			R1 = 3.991	mg/L	ml titrated
			R2 = 79.812	mg/L	Alkalinity
21	SC39221-05 DUP04	9/20/2017 4:59 PM	50.0	mL	
			R1 = 3.986	mg/L	ml titrated
			R2 = 79.714	mg/L	Alkalinity
22	SC39221-06 MW7	9/20/2017 5:03 PM	50.0	mL	
			R1 = 4.156	mg/L	ml titrated
			R2 = 83.127	mg/L	Alkalinity
23	1715985-BLK3 BLK3	9/20/2017 5:08 PM	50.0	mL	
			R1 = 0.000	mg/L	ml titrated
			R2 = 0.000	mg/L	Alkalinity
24	1715985-BS3 BS3	9/20/2017 5:09 PM	50.0	mL	
			R1 = 2.581	mg/L	ml titrated
			R2 = 51.627	mg/L	Alkalinity
25	1715985-DUP1 DUP1	9/20/2017 5:14 PM	50.0	mL	
			R1 = 4.112	mg/L	ml titrated
			R2 = 82.243	mg/L	Alkalinity
26	1715985-3S1 MS1	9/20/2017 5:18 PM	50.0	mL	
			R1 = 4.658	mg/L	ml titrated
			R2 = 93.158	mg/L	Alkalinity
27	1715985-MSD1 MSD1	9/20/2017 5:23 PM	50.0	mL	
			R1 = 4.609	mg/L	ml titrated
			R2 = 92.182	mg/L	Alkalinity
28	SC39253-01 B201D	9/20/2017 5:27 PM	50.0	mL	
			R1 = 6.019	mg/L	ml titrated
			R2 = 120.378	mg/L	Alkalinity
29	SC39253-02 B1A	9/20/2017 5:33 PM	50.0	mL	
			R1 = 2.548	mg/L	ml titrated
			R2 = 50.951	mg/L	Alkalinity
30	SC39253-03 B3A	9/20/2017 5:36 PM	50.0	mL	
			R1 = 2.784	mg/L	ml titrated

Method: ALK **End point titration (EP)** **5/4/2016 1:21 PM**
Start time: 9/20/2017 3:21 PM

31	1715985-BLK4 BLK4	9/20/2017 5:40 PM	R2 = 55.676 50.0 R1 = 0.000 R2 = 0.000	mg/L mL mg/L mg/L	Alkalinity ml titrated Alkalinity
32	1715985-BS4 BS4	9/20/2017 5:42 PM	50.0 R1 = 2.541 R2 = 50.811	mL mg/L mg/L	 ml titrated Alkalinity

Statistics

Rx	Name	n	Mean value	Unit	s	srel [%]
R1	ml titrated	32	4.027	mg/L	3.832596	95.181
R2	Alkalinity	32	80.533	mg/L	76.651052	95.180

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	SC39221	SITE 00007	SITE 00007	TF1-MW-7	Monitoring well	387826.9	184642.5	N6247016D9008	WE15	TETRA TECH, INC.	TF1-MW-7-091317	Ground water	Normal (Regular)	13-Sep-17	537	Perfluoroalkyl Compounds
MID_ATLANTIC	NEWPORT_NS	SC39221							N6247016D9008	WE15	TETRA TECH, INC.	TF1-FRB-091317	Water for QC samples	Field Reagent Blank	13-Sep-17	537	Perfluoroalkyl Compounds
MID_ATLANTIC	NEWPORT_NS	SC39221	SITE 00007	SITE 00007	TF1-MW-1008	Monitoring well	387802.34	183678.62	N6247016D9008	WE15	TETRA TECH, INC.	TF1-MW-1008-091317-D	Ground water	Field duplicate	13-Sep-17	537	Perfluoroalkyl Compounds
MID_ATLANTIC	NEWPORT_NS	SC39221	SITE 00007	SITE 00007	TF1-GT-108	Monitoring well	388252.89	185244.88	N6247016D9008	WE15	TETRA TECH, INC.	TF1-GT-108-091317	Ground water	Normal (Regular)	13-Sep-17	537	Perfluoroalkyl Compounds
MID_ATLANTIC	NEWPORT_NS	SC39221	SITE 00007	SITE 00007	TF1-GT-125	Monitoring well	388258.17	184108.36	N6247016D9008	WE15	TETRA TECH, INC.	TF1-GT-125-091317	Ground water	Normal (Regular)	13-Sep-17	537	Perfluoroalkyl Compounds
MID_ATLANTIC	NEWPORT_NS	SC39221	SITE 00007	SITE 00007	TF1-GT-117	Monitoring well	388297.81	184914.83	N6247016D9008	WE15	TETRA TECH, INC.	TF1-GT-117-091317	Ground water	Normal (Regular)	13-Sep-17	537	Perfluoroalkyl Compounds
MID_ATLANTIC	NEWPORT_NS	SC39221	SITE 00007	SITE 00007	TF1-MW-1008	Monitoring well	387802.34	183678.62	N6247016D9008	WE15	TETRA TECH, INC.	TF1-MW-1008-091317	Ground water	Normal (Regular)	13-Sep-17	537	Perfluoroalkyl Compounds