



**Groundwater Sample Results,
Electronic Data Deliverable, Data Validation Report,
and the Sample Location Report, SDG SC38778**

*Naval Station Newport
Newport, Rhode Island*

August 2019

"1715074-BLK1","EPA 300.0","RES","1715074-BLK1","ESAI","14797-55-8","Nitrate as N","0.100","mg/l","U","0.009","MDL","TARGET","0.100","RDL","YES","-99","5","5","0.100",
"1715074-BLK1","EPA 300.0","RES","1715074-BLK1","ESAI","14808-79-8","Sulfate as SO4","1.00","mg/l","U","0.307","MDL","TARGET","1.00","RDL","YES","-99","5","5","1.00",
"1715074-BLK1","EPA 300.0","RES","1715074-BLK1","ESAI","16887-00-6","Chloride","0.100","mg/l","U","0.0897","MDL","TARGET","1.00","RDL","YES","-99","5","5","0.100",
"1715074-BS1","EPA 300.0","RES","1715074-BS1","ESAI","14797-55-8","Nitrate as N","2.02","mg/l","U","0.009","MDL","TARGET","101","0.100","RDL","YES","2.00","5","5","0.100",
"1715074-BS1","EPA 300.0","RES","1715074-BS1","ESAI","14808-79-8","Sulfate as SO4","20.0","mg/l","U","0.307","MDL","TARGET","100","1.00","RDL","YES","20.0","5","5","1.00",
"1715074-BS1","EPA 300.0","RES","1715074-BS1","ESAI","16887-00-6","Chloride","20.3","mg/l","U","0.0897","MDL","TARGET","101","1.00","RDL","YES","20.0","5","5","0.100",
"1715074-SRM1","EPA 300.0","RES","1715074-SRM1","ESAI","14797-55-8","Nitrate as N","2.56","mg/l","U","0.009","MDL","TARGET","102","0.100","RDL","YES","2.50","5","5","0.100",
"1715074-SRM1","EPA 300.0","RES","1715074-SRM1","ESAI","14808-79-8","Sulfate as SO4","25.1","mg/l","U","0.307","MDL","TARGET","101","1.00","RDL","YES","25.0","5","5","1.00",
"1715074-SRM1","EPA 300.0","RES","1715074-SRM1","ESAI","16887-00-6","Chloride","24.3","mg/l","U","0.0897","MDL","TARGET","97","1.00","RDL","YES","25.0","5","5","0.100",
"1715081-BLK1","SM18-22 5210B","RES","1715081-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",
"1715081-BLK2","SM18-22 5210B","RES","1715081-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",
"1715081-BS1","SM18-22 5210B","RES","1715081-BS1","ESAI","NA","Biochemical Oxygen Demand (5-day)","170","mg/l","U","2.74","MDL","TARGET","86","100","RDL","YES","198","300","300","2.97",
"1715081-SRM1","SM18-22 5210B","RES","1715081-SRM1","ESAI","NA","Biochemical Oxygen Demand (5-day)","52.0","mg/l","U","2.74","MDL","TARGET","81","30.0","RDL","YES","64.5","300","300","2.97",
"1715081-SRM2","SM18-22 5210B","RES","1715081-SRM2","ESAI","NA","Biochemical Oxygen Demand (5-day)","49.0","mg/l","U","2.74","MDL","TARGET","76","30.0","RDL","YES","64.5","300","300","2.97",
"1715132-BLK1","SW846 8082A","RES","1715132-BLK1","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl (Sr)","0.165","g/l","-99","NA","SUR","80","-99","NA","YES","0.206","970","10","-99",
"1715132-BLK1","SW846 8082A","RES","1715132-BLK1","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl (Sr) [2C]","0.186","g/l","-99","NA","SUR","90","-99","NA","YES","0.206","970","10","-99",
"1715132-BLK1","SW846 8082A","RES","1715132-BLK1","ESAI","11096-82-5","Aroclor-1260","0.206","g/l","U","0.0877","MDL","TARGET","0.206","RDL","YES","-99","970","10","0.206",
"1715132-BLK1","SW846 8082A","RES","1715132-BLK1","ESAI","11096-82-5","Aroclor-1260 [2C]","0.206","g/l","U","0.119","MDL","TARGET","0.206","RDL","YES","-99","970","10","0.206",
"1715132-BLK1","SW846 8082A","RES","1715132-BLK1","ESAI","11097-69-1","Aroclor-1254","0.206","g/l","U","0.120","MDL","TARGET","0.206","RDL","YES","-99","970","10","0.206",
"1715132-BLK1","SW846 8082A","RES","1715132-BLK1","ESAI","11097-69-1","Aroclor-1254 [2C]","0.206","g/l","U","0.117","MDL","TARGET","0.206","RDL","YES","-99","970","10","0.206",
"1715132-BLK1","SW846 8082A","RES","1715132-BLK1","ESAI","11100-14-4","Aroclor-1268","0.206","g/l","U","0.0943","MDL","TARGET","0.206","RDL","YES","-99","970","10","0.206",
"1715132-BLK1","SW846 8082A","RES","1715132-BLK1","ESAI","11100-14-4","Aroclor-1268 [2C]","0.206","g/l","U","0.123","MDL","TARGET","0.206","RDL","YES","-99","970","10","0.206",
"1715132-BLK1","SW846 8082A","RES","1715132-BLK1","ESAI","11104-28-2","Aroclor-1221","0.206","g/l","U","0.119","MDL","TARGET","0.206","RDL","YES","-99","970","10","0.206",
"1715132-BLK1","SW846 8082A","RES","1715132-BLK1","ESAI","11104-28-2","Aroclor-1221 [2C]","0.206","g/l","U","0.186","MDL","TARGET","0.206","RDL","YES","-99","970","10","0.206",
"1715132-BLK1","SW846 8082A","RES","1715132-BLK1","ESAI","11141-16-5","Aroclor-1232","0.206","g/l","U","0.114","MDL","TARGET","0.206","RDL","YES","-99","970","10","0.206",
"1715132-BLK1","SW846 8082A","RES","1715132-BLK1","ESAI","11141-16-5","Aroclor-1232 [2C]","0.206","g/l","U","0.0874","MDL","TARGET","0.206","RDL","YES","-99","970","10","0.206",
"1715132-BLK1","SW846 8082A","RES","1715132-BLK1","ESAI","12672-29-6","Aroclor-1248","0.206","g/l","U","0.140","MDL","TARGET","0.206","RDL","YES","-99","970","10","0.206",
"1715132-BLK1","SW846 8082A","RES","1715132-BLK1","ESAI","12672-29-6","Aroclor-1248 [2C]","0.206","g/l","U","0.129","MDL","TARGET","0.206","RDL","YES","-99","970","10","0.206",

"1715132-BLK1","SW846 8082A","RES","1715132-BLK1","ESAI","12674-11-2","Aroclor-1016","0.206","g/l","U","0.107","MDL","TARGET","0.206","RDL","YES","-99","970","10","0.206",
"1715132-BLK1","SW846 8082A","RES","1715132-BLK1","ESAI","12674-11-2","Aroclor-1016
[2C]","0.206","g/l","U","0.125","MDL","TARGET","0.206","RDL","YES","-99","970","10","0.206",
"1715132-BLK1","SW846 8082A","RES","1715132-BLK1","ESAI","2051-24-3","Decachlorobiphenyl
(Sr)","0.186","g/l","-99","NA","SUR","90","-99","NA","YES","0.206","970","10","-99",
"1715132-BLK1","SW846 8082A","RES","1715132-BLK1","ESAI","2051-24-3","Decachlorobiphenyl (Sr)
[2C]","0.227","g/l","-99","NA","SUR","110","-99","NA","YES","0.206","970","10","-99",
"1715132-BLK1","SW846 8082A","RES","1715132-BLK1","ESAI","37324-23-5","Aroclor-1262","0.206","g/l","U","0.0924","MDL","TARGET","0.206","RDL","YES","-99","970","10","0.206",
"1715132-BLK1","SW846 8082A","RES","1715132-BLK1","ESAI","37324-23-5","Aroclor-1262
[2C]","0.206","g/l","U","0.131","MDL","TARGET","0.206","RDL","YES","-99","970","10","0.206",
"1715132-BLK1","SW846 8082A","RES","1715132-BLK1","ESAI","53469-21-9","Aroclor-1242","0.206","g/l","U","0.111","MDL","TARGET","0.206","RDL","YES","-99","970","10","0.206",
"1715132-BLK1","SW846 8082A","RES","1715132-BLK1","ESAI","53469-21-9","Aroclor-1242
[2C]","0.206","g/l","U","0.109","MDL","TARGET","0.206","RDL","YES","-99","970","10","0.206",
"1715132-BLK1","SW846 8082A","RES","1715132-BLK1","ESAI","877-09-8","2,4,5,6-TC-M-Xylene
(IS)","0.0200","g/ml","-99","NA","ISTD","98","-99","NA","YES","10.0","970","10","-99",
"1715132-BLK1","SW846 8082A","RES","1715132-BLK1","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS)
[2C]","0.0200","g/ml","-99","NA","ISTD","99","-99","NA","YES","10.0","970","10","-99",
"1715132-BS1","SW846 8082A","RES","1715132-BS1","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl
(Sr)","0.186","g/l","-99","NA","SUR","90","-99","NA","YES","0.206","970","10","-99",
"1715132-BS1","SW846 8082A","RES","1715132-BS1","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl (Sr)
[2C]","0.186","g/l","-99","NA","SUR","90","-99","NA","YES","0.206","970","10","-99",
"1715132-BS1","SW846 8082A","RES","1715132-BS1","ESAI","11096-82-5","Aroclor-1260","2.54","g/l","0.0877","MDL","TARGET","98","0.206","RDL","YES","2.58","970","10","0.206",
"1715132-BS1","SW846 8082A","RES","1715132-BS1","ESAI","11096-82-5","Aroclor-1260
[2C]","2.75","g/l","0.119","MDL","TARGET","107","0.206","RDL","YES","2.58","970","10","0.206",
"1715132-BS1","SW846 8082A","RES","1715132-BS1","ESAI","12674-11-2","Aroclor-1016","2.69","g/l","0.107","MDL","TARGET","104","0.206","RDL","YES","2.58","970","10","0.206",
"1715132-BS1","SW846 8082A","RES","1715132-BS1","ESAI","12674-11-2","Aroclor-1016
[2C]","2.60","g/l","0.125","MDL","TARGET","101","0.206","RDL","YES","2.58","970","10","0.206",
"1715132-BS1","SW846 8082A","RES","1715132-BS1","ESAI","2051-24-3","Decachlorobiphenyl
(Sr)","0.227","g/l","-99","NA","SUR","110","-99","NA","YES","0.206","970","10","-99",
"1715132-BS1","SW846 8082A","RES","1715132-BS1","ESAI","2051-24-3","Decachlorobiphenyl (Sr)
[2C]","0.216","g/l","-99","NA","SUR","105","-99","NA","YES","0.206","970","10","-99",
"1715132-BS1","SW846 8082A","RES","1715132-BS1","ESAI","877-09-8","2,4,5,6-TC-M-Xylene
(IS)","0.0200","g/ml","-99","NA","ISTD","92","-99","NA","YES","10.0","970","10","-99",
"1715132-BS1","SW846 8082A","RES","1715132-BS1","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS)
[2C]","0.0200","g/ml","-99","NA","ISTD","90","-99","NA","YES","10.0","970","10","-99",
"1715132-BSD1","SW846 8082A","RES","1715132-BSD1","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl
(Sr)","0.180","g/l","-99","NA","SUR","90","-99","NA","YES","0.200","1000","10","-99",
"1715132-BSD1","SW846 8082A","RES","1715132-BSD1","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl
(Sr) [2C]","0.180","g/l","-99","NA","SUR","90","-99","NA","YES","0.200","1000","10","-99",
"1715132-BSD1","SW846 8082A","RES","1715132-BSD1","ESAI","11096-82-5","Aroclor-1260","2.37","g/l","0.0851","MDL","TARGET","95","7","0.200","RDL","YES","2.50","1000","10","0.200",
"1715132-BSD1","SW846 8082A","RES","1715132-BSD1","ESAI","11096-82-5","Aroclor-1260
[2C]","2.91","g/l","0.115","MDL","TARGET","116","6","0.200","RDL","YES","2.50","1000","10","0.200",
"1715132-BSD1","SW846 8082A","RES","1715132-BSD1","ESAI","12674-11-2","Aroclor-1016","2.58","g/l","0.104","MDL","TARGET","103","4","0.200","RDL","YES","2.50","1000","10","0.200",
"1715132-BSD1","SW846 8082A","RES","1715132-BSD1","ESAI","12674-11-2","Aroclor-1016
[2C]","2.67","g/l","0.122","MDL","TARGET","107","3","0.200","RDL","YES","2.50","1000","10","0.200",
"1715132-BSD1","SW846 8082A","RES","1715132-BSD1","ESAI","2051-24-3","Decachlorobiphenyl
(Sr)","0.190","g/l","-99","NA","SUR","95","-99","NA","YES","0.200","1000","10","-99",
"1715132-BSD1","SW846 8082A","RES","1715132-BSD1","ESAI","2051-24-3","Decachlorobiphenyl (Sr)
[2C]","0.230","g/l","-99","NA","SUR","115","-99","NA","YES","0.200","1000","10","-99",
"1715132-BSD1","SW846 8082A","RES","1715132-BSD1","ESAI","877-09-8","2,4,5,6-TC-M-Xylene

(IS),"0.0200","◆g/ml","-99","NA","ISTD","96","-99","NA","YES","10.0","1000","10","-99",
"1715132-BSD1","SW846 8082A","RES","1715132-BSD1","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS)
[2C]","0.0200","◆g/ml","-99","NA","ISTD","84","-99","NA","YES","10.0","1000","10","-99",
"1715314-BLK1","SW846 8270D","RES","1715314-BLK1","ESAI","1146-65-2","Naphthalene-
d8","40.0","◆g/ml","-99","NA","ISTD","160","-99","NA","YES","40.0","990","1","-99",
"1715314-BLK1","SW846 8270D","RES","1715314-BLK1","ESAI","120-12-
7","Anthracene","1.01","◆g/l","U","0.614","MDL","TARGET","5.05","RDL","YES","-99","990","1","1.01",
"1715314-BLK1","SW846 8270D","RES","1715314-BLK1","ESAI","129-00-
0","Pyrene","1.01","◆g/l","U","0.616","MDL","TARGET","5.05","RDL","YES","-99","990","1","1.01",
"1715314-BLK1","SW846 8270D","RES","1715314-BLK1","ESAI","15067-26-2","Acenaphthene-
d10","40.0","◆g/ml","-99","NA","ISTD","183","-99","NA","YES","40.0","990","1","-99",
"1715314-BLK1","SW846 8270D","RES","1715314-BLK1","ESAI","1517-22-2","Phenanthrene-
d10","40.0","◆g/ml","-99","NA","ISTD","165","-99","NA","YES","40.0","990","1","-99",
"1715314-BLK1","SW846 8270D","RES","1715314-BLK1","ESAI","1520-96-3","Perylene-
d12","40.0","◆g/ml","-99","NA","ISTD","157","-99","NA","YES","40.0","990","1","-99",
"1715314-BLK1","SW846 8270D","RES","1715314-BLK1","ESAI","1718-51-0","Terphenyl-
dl4","38.0","◆g/l","-99","NA","SUR","75","-99","NA","YES","50.5","990","1","-99",
"1715314-BLK1","SW846 8270D","RES","1715314-BLK1","ESAI","1719-03-5","Chrysene-
d12","40.0","◆g/ml","-99","NA","ISTD","150","-99","NA","YES","40.0","990","1","-99",
"1715314-BLK1","SW846 8270D","RES","1715314-BLK1","ESAI","191-24-2","Benzo (g,h,i)
perylene","1.01","◆g/l","U","0.535","MDL","TARGET","5.05","RDL","YES","-99","990","1","1.01",
"1715314-BLK1","SW846 8270D","RES","1715314-BLK1","ESAI","193-39-5","Indeno (1,2,3-cd)
pyrene","1.01","◆g/l","U","0.586","MDL","TARGET","5.05","RDL","YES","-99","990","1","1.01",
"1715314-BLK1","SW846 8270D","RES","1715314-BLK1","ESAI","205-99-2","Benzo (b)
fluoranthene","1.01","◆g/l","U","0.441","MDL","TARGET","5.05","RDL","YES","-99","990","1","1.01",
"1715314-BLK1","SW846 8270D","RES","1715314-BLK1","ESAI","206-44-
0","Fluoranthene","1.01","◆g/l","U","0.644","MDL","TARGET","5.05","RDL","YES","-99","990","1","1.01",
"1715314-BLK1","SW846 8270D","RES","1715314-BLK1","ESAI","207-08-9","Benzo (k)
fluoranthene","1.01","◆g/l","U","0.485","MDL","TARGET","5.05","RDL","YES","-99","990","1","1.01",
"1715314-BLK1","SW846 8270D","RES","1715314-BLK1","ESAI","208-96-
8","Acenaphthylene","1.01","◆g/l","U","0.690","MDL","TARGET","5.05","RDL","YES","-99","990","1","1.01",
"1715314-BLK1","SW846 8270D","RES","1715314-BLK1","ESAI","218-01-
9","Chrysene","1.01","◆g/l","U","0.537","MDL","TARGET","5.05","RDL","YES","-99","990","1","1.01",
"1715314-BLK1","SW846 8270D","RES","1715314-BLK1","ESAI","321-60-8","2-
Fluorobiphenyl","22.0","◆g/l","-99","NA","SUR","44","-99","NA","YES","50.5","990","1","-99",
"1715314-BLK1","SW846 8270D","RES","1715314-BLK1","ESAI","4165-60-0","Nitrobenzene-
d5","25.2","◆g/l","-99","NA","SUR","50","-99","NA","YES","50.5","990","1","-99",
"1715314-BLK1","SW846 8270D","RES","1715314-BLK1","ESAI","50-32-8","Benzo (a)
pyrene","1.01","◆g/l","U","0.568","MDL","TARGET","5.05","RDL","YES","-99","990","1","1.01",
"1715314-BLK1","SW846 8270D","RES","1715314-BLK1","ESAI","53-70-3","Dibenzo (a,h)
anthracene","1.01","◆g/l","U","0.455","MDL","TARGET","5.05","RDL","YES","-99","990","1","1.01",
"1715314-BLK1","SW846 8270D","RES","1715314-BLK1","ESAI","56-55-3","Benzo (a)
anthracene","1.01","◆g/l","U","0.541","MDL","TARGET","5.05","RDL","YES","-99","990","1","1.01",
"1715314-BLK1","SW846 8270D","RES","1715314-BLK1","ESAI","83-32-
9","Acenaphthene","1.01","◆g/l","U","0.698","MDL","TARGET","5.05","RDL","YES","-99","990","1","1.01",
"1715314-BLK1","SW846 8270D","RES","1715314-BLK1","ESAI","85-01-
8","Phenanthrene","1.01","◆g/l","U","0.592","MDL","TARGET","5.05","RDL","YES","-99","990","1","1.01",
"1715314-BLK1","SW846 8270D","RES","1715314-BLK1","ESAI","86-73-
7","Fluorene","1.01","◆g/l","U","0.618","MDL","TARGET","5.05","RDL","YES","-99","990","1","1.01",
"1715314-BLK1","SW846 8270D","RES","1715314-BLK1","ESAI","90-12-0","1-
Methylnaphthalene","1.01","◆g/l","U","0.740","MDL","TARGET","5.05","RDL","YES","-99","990","1","1.01",
"1715314-BLK1","SW846 8270D","RES","1715314-BLK1","ESAI","91-20-
3","Naphthalene","1.01","◆g/l","U","0.692","MDL","TARGET","5.05","RDL","YES","-99","990","1","1.01",
"1715314-BLK1","SW846 8270D","RES","1715314-BLK1","ESAI","91-57-6","2-
Methylnaphthalene","1.01","◆g/l","U","0.580","MDL","TARGET","5.05","RDL","YES","-99","990","1","1.01"

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"1715314-BS1","SW846 8270D","RES","1715314-BS1","ESAI","1146-65-2","Naphthalene-
d8","40.0","◆g/ml","-99","NA","ISTD","136","-99","NA","YES","40.0","990","1","-99",
"1715314-BS1","SW846 8270D","RES","1715314-BS1","ESAI","120-12-
7","Anthracene","33.1","◆g/l","0.614","MDL","TARGET","66","5.05","RDL","YES","50.5","990","1","1.01",
"1715314-BS1","SW846 8270D","RES","1715314-BS1","ESAI","129-00-
0","Pyrene","36.6","◆g/l","0.616","MDL","TARGET","72","5.05","RDL","YES","50.5","990","1","1.01",
"1715314-BS1","SW846 8270D","RES","1715314-BS1","ESAI","15067-26-2","Acenaphthene-
d10","40.0","◆g/ml","-99","NA","ISTD","146","-99","NA","YES","40.0","990","1","-99",
"1715314-BS1","SW846 8270D","RES","1715314-BS1","ESAI","1517-22-2","Phenanthrene-
d10","40.0","◆g/ml","-99","NA","ISTD","137","-99","NA","YES","40.0","990","1","-99",
"1715314-BS1","SW846 8270D","RES","1715314-BS1","ESAI","1520-96-3","Perylene-
d12","40.0","◆g/ml","-99","NA","ISTD","135","-99","NA","YES","40.0","990","1","-99",
"1715314-BS1","SW846 8270D","RES","1715314-BS1","ESAI","1718-51-0","Terphenyl-
dl4","53.1","◆g/l","-99","NA","SUR","105","-99","NA","YES","50.5","990","1","-99",
"1715314-BS1","SW846 8270D","RES","1715314-BS1","ESAI","1719-03-5","Chrysene-
d12","40.0","◆g/ml","-99","NA","ISTD","130","-99","NA","YES","40.0","990","1","-99",
"1715314-BS1","SW846 8270D","RES","1715314-BS1","ESAI","191-24-2","Benzo (g,h,i)
perylene","43.9","◆g/l","0.535","MDL","TARGET","87","5.05","RDL","YES","50.5","990","1","1.01",
"1715314-BS1","SW846 8270D","RES","1715314-BS1","ESAI","193-39-5","Indeno (1,2,3-cd)
pyrene","44.2","◆g/l","0.586","MDL","TARGET","87","5.05","RDL","YES","50.5","990","1","1.01",
"1715314-BS1","SW846 8270D","RES","1715314-BS1","ESAI","205-99-2","Benzo (b)
fluoranthene","42.1","◆g/l","0.441","MDL","TARGET","83","5.05","RDL","YES","50.5","990","1","1.01",
"1715314-BS1","SW846 8270D","RES","1715314-BS1","ESAI","206-44-
0","Fluoranthene","37.1","◆g/l","0.644","MDL","TARGET","73","5.05","RDL","YES","50.5","990","1","1.01",
",
"1715314-BS1","SW846 8270D","RES","1715314-BS1","ESAI","207-08-9","Benzo (k)
fluoranthene","41.4","◆g/l","0.485","MDL","TARGET","82","5.05","RDL","YES","50.5","990","1","1.01",
"1715314-BS1","SW846 8270D","RES","1715314-BS1","ESAI","208-96-
8","Acenaphthylene","32.3","◆g/l","0.690","MDL","TARGET","64","5.05","RDL","YES","50.5","990","1","1.
01",
"1715314-BS1","SW846 8270D","RES","1715314-BS1","ESAI","218-01-
9","Chrysene","37.5","◆g/l","0.537","MDL","TARGET","74","5.05","RDL","YES","50.5","990","1","1.01",
"1715314-BS1","SW846 8270D","RES","1715314-BS1","ESAI","321-60-8","2-
Fluorobiphenyl","38.4","◆g/l","-99","NA","SUR","76","-99","NA","YES","50.5","990","1","-99",
"1715314-BS1","SW846 8270D","RES","1715314-BS1","ESAI","4165-60-0","Nitrobenzene-
d5","37.4","◆g/l","-99","NA","SUR","74","-99","NA","YES","50.5","990","1","-99",
"1715314-BS1","SW846 8270D","RES","1715314-BS1","ESAI","50-32-8","Benzo (a)
pyrene","41.0","◆g/l","0.568","MDL","TARGET","81","5.05","RDL","YES","50.5","990","1","1.01",
"1715314-BS1","SW846 8270D","RES","1715314-BS1","ESAI","53-70-3","Dibenzo (a,h)
anthracene","48.6","◆g/l","0.455","MDL","TARGET","96","5.05","RDL","YES","50.5","990","1","1.01",
"1715314-BS1","SW846 8270D","RES","1715314-BS1","ESAI","56-55-3","Benzo (a)
anthracene","35.7","◆g/l","0.541","MDL","TARGET","71","5.05","RDL","YES","50.5","990","1","1.01",
"1715314-BS1","SW846 8270D","RES","1715314-BS1","ESAI","83-32-
9","Acenaphthene","29.7","◆g/l","0.698","MDL","TARGET","59","5.05","RDL","YES","50.5","990","1","1.01",
",
"1715314-BS1","SW846 8270D","RES","1715314-BS1","ESAI","85-01-
8","Phenanthrene","32.4","◆g/l","0.592","MDL","TARGET","64","5.05","RDL","YES","50.5","990","1","1.01",
",
"1715314-BS1","SW846 8270D","RES","1715314-BS1","ESAI","86-73-
7","Fluorene","32.3","◆g/l","0.618","MDL","TARGET","64","5.05","RDL","YES","50.5","990","1","1.01",
"1715314-BS1","SW846 8270D","RES","1715314-BS1","ESAI","90-12-0","1-
Methylnaphthalene","29.4","◆g/l","0.740","MDL","TARGET","58","5.05","RDL","YES","50.5","990","1","1.0
1",
"1715314-BS1","SW846 8270D","RES","1715314-BS1","ESAI","91-20-
3","Naphthalene","25.0","◆g/l","0.692","MDL","TARGET","50","5.05","RDL","YES","50.5","990","1","1.01",
"1715314-BS1","SW846 8270D","RES","1715314-BS1","ESAI","91-57-6","2-

Methylnaphthalene", "36.7", "◆g/l", "0.580", "MDL", "TARGET", "73", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1715314-BSD1", "SW846 8270D", "RES", "1715314-BSD1", "ESAI", "1146-65-2", "Naphthalene-d8", "40.0", "◆g/ml", "-99", "NA", "ISTD", "138", "-99", "NA", "YES", "40.0", "990", "1", "-99",
"1715314-BSD1", "SW846 8270D", "RES", "1715314-BSD1", "ESAI", "120-12-7", "Anthracene", "33.0", "◆g/l", "0.614", "MDL", "TARGET", "65", "0.4", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1715314-BSD1", "SW846 8270D", "RES", "1715314-BSD1", "ESAI", "129-00-0", "Pyrene", "34.0", "◆g/l", "0.616", "MDL", "TARGET", "67", "7", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1715314-BSD1", "SW846 8270D", "RES", "1715314-BSD1", "ESAI", "15067-26-2", "Acenaphthene-d10", "40.0", "◆g/ml", "-99", "NA", "ISTD", "154", "-99", "NA", "YES", "40.0", "990", "1", "-99",
"1715314-BSD1", "SW846 8270D", "RES", "1715314-BSD1", "ESAI", "1517-22-2", "Phenanthrene-d10", "40.0", "◆g/ml", "-99", "NA", "ISTD", "142", "-99", "NA", "YES", "40.0", "990", "1", "-99",
"1715314-BSD1", "SW846 8270D", "RES", "1715314-BSD1", "ESAI", "1520-96-3", "Perylene-d12", "40.0", "◆g/ml", "-99", "NA", "ISTD", "134", "-99", "NA", "YES", "40.0", "990", "1", "-99",
"1715314-BSD1", "SW846 8270D", "RES", "1715314-BSD1", "ESAI", "1718-51-0", "Terphenyl-d14", "49.9", "◆g/l", "-99", "NA", "SUR", "99", "-99", "NA", "YES", "50.5", "990", "1", "-99",
"1715314-BSD1", "SW846 8270D", "RES", "1715314-BSD1", "ESAI", "1719-03-5", "Chrysene-d12", "40.0", "◆g/ml", "-99", "NA", "ISTD", "137", "-99", "NA", "YES", "40.0", "990", "1", "-99",
"1715314-BSD1", "SW846 8270D", "RES", "1715314-BSD1", "ESAI", "191-24-2", "Benzo (g,h,i) perylene", "41.8", "◆g/l", "0.535", "MDL", "TARGET", "83", "5", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1715314-BSD1", "SW846 8270D", "RES", "1715314-BSD1", "ESAI", "193-39-5", "Indeno (1,2,3-cd) pyrene", "43.8", "◆g/l", "0.586", "MDL", "TARGET", "87", "0.9", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1715314-BSD1", "SW846 8270D", "RES", "1715314-BSD1", "ESAI", "205-99-2", "Benzo (b) fluoranthene", "49.1", "◆g/l", "0.441", "MDL", "TARGET", "97", "15", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1715314-BSD1", "SW846 8270D", "RES", "1715314-BSD1", "ESAI", "206-44-0", "Fluoranthene", "35.5", "◆g/l", "0.644", "MDL", "TARGET", "70", "4", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1715314-BSD1", "SW846 8270D", "RES", "1715314-BSD1", "ESAI", "207-08-9", "Benzo (k) fluoranthene", "39.3", "◆g/l", "0.485", "MDL", "TARGET", "78", "5", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1715314-BSD1", "SW846 8270D", "RES", "1715314-BSD1", "ESAI", "208-96-8", "Acenaphthylene", "34.2", "◆g/l", "0.690", "MDL", "TARGET", "68", "6", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1715314-BSD1", "SW846 8270D", "RES", "1715314-BSD1", "ESAI", "218-01-9", "Chrysene", "38.0", "◆g/l", "0.537", "MDL", "TARGET", "75", "1", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1715314-BSD1", "SW846 8270D", "RES", "1715314-BSD1", "ESAI", "321-60-8", "2-Fluorobiphenyl", "42.5", "◆g/l", "-99", "NA", "SUR", "84", "-99", "NA", "YES", "50.5", "990", "1", "-99",
"1715314-BSD1", "SW846 8270D", "RES", "1715314-BSD1", "ESAI", "4165-60-0", "Nitrobenzene-d5", "40.5", "◆g/l", "-99", "NA", "SUR", "80", "-99", "NA", "YES", "50.5", "990", "1", "-99",
"1715314-BSD1", "SW846 8270D", "RES", "1715314-BSD1", "ESAI", "50-32-8", "Benzo (a) pyrene", "42.2", "◆g/l", "0.568", "MDL", "TARGET", "84", "3", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1715314-BSD1", "SW846 8270D", "RES", "1715314-BSD1", "ESAI", "53-70-3", "Dibenzo (a,h) anthracene", "47.0", "◆g/l", "0.455", "MDL", "TARGET", "93", "3", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1715314-BSD1", "SW846 8270D", "RES", "1715314-BSD1", "ESAI", "56-55-3", "Benzo (a) anthracene", "35.6", "◆g/l", "0.541", "MDL", "TARGET", "70", "0.3", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1715314-BSD1", "SW846 8270D", "RES", "1715314-BSD1", "ESAI", "83-32-9", "Acenaphthene", "32.6", "◆g/l", "0.698", "MDL", "TARGET", "65", "9", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1715314-BSD1", "SW846 8270D", "RES", "1715314-BSD1", "ESAI", "85-01-8", "Phenanthrene", "31.3", "◆g/l", "0.592", "MDL", "TARGET", "62", "3", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1715314-BSD1", "SW846 8270D", "RES", "1715314-BSD1", "ESAI", "86-73-7", "Fluorene", "35.7", "◆g/l", "0.618", "MDL", "TARGET", "71", "10", "5.05", "RDL", "YES", "50.5", "990", "1", "1.01",
"1715314-BSD1", "SW846 8270D", "RES", "1715314-BSD1", "ESAI", "90-12-0", "1-Methylnaphthalene", "31.3", "◆g/l", "0.740", "MDL", "TARGET", "62", "6", "5.05", "RDL", "YES", "50.5", "990", "1", "

1.01",
 "1715314-BSD1","SW846 8270D","RES","1715314-BSD1","ESAI","91-20-3","Naphthalene","28.2","g/l","0.692","MDL","TARGET","56","12","5.05","RDL","YES","50.5","990","1","1.01",
 "1715314-BSD1","SW846 8270D","RES","1715314-BSD1","ESAI","91-57-6","2-Methylnaphthalene","31.2","g/l","0.580","MDL","TARGET","62","16","5.05","RDL","YES","50.5","990","1","1.01",
 "1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","1024-57-3","Heptachlor epoxide","0.020","g/l","U","0.016","MDL","TARGET","0.020","RDL","YES","-99","980","10","0.020",
 "1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","1024-57-3","Heptachlor epoxide [2C]","0.020","g/l","U","0.015","MDL","TARGET","0.020","RDL","YES","-99","980","10","0.020",
 "1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","1031-07-8","Endosulfan sulfate","0.020","g/l","U","0.020","MDL","TARGET","0.041","RDL","YES","-99","980","10","0.020",
 "1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","1031-07-8","Endosulfan sulfate [2C]","0.020","g/l","U","0.017","MDL","TARGET","0.041","RDL","YES","-99","980","10","0.020",
 "1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl (Sr)","0.210","g/l","-99","NA","SUR","103","-99","NA","YES","0.204","980","10","-99",
 "1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl (Sr) [2C]","0.225","g/l","-99","NA","SUR","110","-99","NA","YES","0.204","980","10","-99",
 "1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","15972-60-8","Alachlor","0.020","g/l","U","0.019","MDL","TARGET","0.020","RDL","YES","-99","980","10","0.020",
 "1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","15972-60-8","Alachlor [2C]","0.020","g/l","U","0.018","MDL","TARGET","0.020","RDL","YES","-99","980","10","0.020",
 "1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","2051-24-3","Decachlorobiphenyl (Sr)","0.177","g/l","-99","NA","SUR","87","-99","NA","YES","0.204","980","10","-99",
 "1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","2051-24-3","Decachlorobiphenyl (Sr) [2C]","0.191","g/l","-99","NA","SUR","94","-99","NA","YES","0.204","980","10","-99",
 "1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","309-00-2","Aldrin","0.020","g/l","U","0.016","MDL","TARGET","0.020","RDL","YES","-99","980","10","0.020",
 "1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","309-00-2","Aldrin [2C]","0.020","g/l","U","0.019","MDL","TARGET","0.020","RDL","YES","-99","980","10","0.020",
 "1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","319-84-6","alpha-BHC","0.020","g/l","U","0.012","MDL","TARGET","0.020","RDL","YES","-99","980","10","0.020",
 "1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","319-84-6","alpha-BHC [2C]","0.020","g/l","U","0.018","MDL","TARGET","0.020","RDL","YES","-99","980","10","0.020",
 "1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","319-85-7","beta-BHC","0.020","g/l","U","0.015","MDL","TARGET","0.020","RDL","YES","-99","980","10","0.020",
 "1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","319-85-7","beta-BHC [2C]","0.020","g/l","U","0.019","MDL","TARGET","0.020","RDL","YES","-99","980","10","0.020",
 "1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","319-86-8","delta-BHC","0.020","g/l","U","0.016","MDL","TARGET","0.020","RDL","YES","-99","980","10","0.020",
 "1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","319-86-8","delta-BHC [2C]","0.020","g/l","U","0.020","MDL","TARGET","0.020","RDL","YES","-99","980","10","0.020",
 "1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","33213-65-9","Endosulfan II","0.020","g/l","U","0.020","MDL","TARGET","0.041","RDL","YES","-99","980","10","0.020",
 "1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","33213-65-9","Endosulfan II [2C]","0.020","g/l","U","0.016","MDL","TARGET","0.041","RDL","YES","-99","980","10","0.020",
 "1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","50-29-3","4,4'-DDT (p,p')","0.031","g/l","U","0.018","MDL","TARGET","0.041","RDL","YES","-99","980","10","0.031",
 "1715315-BLK1","SW846 8081B","RES","1715315-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","980","10","0.031",
 "1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","5103-71-9","alpha-Chlordane","0.020","g/l","U","0.016","MDL","TARGET","0.020","RDL","YES","-99","980","10","0.020",
 "1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","5103-71-9","alpha-Chlordane [2C]","0.020","g/l","U","0.017","MDL","TARGET","0.020","RDL","YES","-99","980","10","0.020",
 "1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","5103-74-2","Chlordane (gamma (trans))","0.020","g/l","U","0.016","MDL","TARGET","0.020","RDL","YES","-99","980","10","0.020",

"1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","5103-74-2","Chlordane (gamma)(trans)
[2C]","0.020","g/l","U","0.014","MDL","TARGET","0.020","RDL","YES","-99","980","10","0.020",
"1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","53494-70-5","Endrin
ketone","0.020","g/l","U","0.018","MDL","TARGET","0.041","RDL","YES","-99","980","10","0.020",
"1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","53494-70-5","Endrin ketone
[2C]","0.020","g/l","U","0.018","MDL","TARGET","0.041","RDL","YES","-99","980","10","0.020",
"1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","57-74-
9","Chlordane","0.066","g/l","U","0.052","MDL","TARGET","0.066","RDL","YES","-99","980","10","0.066",
"1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","57-74-9","Chlordane
[2C]","0.066","g/l","U","0.063","MDL","TARGET","0.066","RDL","YES","-99","980","10","0.066",
"1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","58-89-9","gamma-BHC
(Lindane)","0.020","g/l","U","0.018","MDL","TARGET","0.020","RDL","YES","-99","980","10","0.020",
"1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","58-89-9","gamma-BHC (Lindane)
[2C]","0.020","g/l","U","0.018","MDL","TARGET","0.020","RDL","YES","-99","980","10","0.020",
"1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","60-57-
1","Dieldrin","0.020","g/l","U","0.017","MDL","TARGET","0.020","RDL","YES","-99","980","10","0.020",
"1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","60-57-1","Dieldrin
[2C]","0.020","g/l","U","0.019","MDL","TARGET","0.020","RDL","YES","-99","980","10","0.020",
"1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","72-20-
8","Endrin","0.020","g/l","U","0.020","MDL","TARGET","0.041","RDL","YES","-99","980","10","0.020",
"1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","72-20-8","Endrin
[2C]","0.020","g/l","U","0.020","MDL","TARGET","0.041","RDL","YES","-99","980","10","0.020",
"1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","72-43-
5","Methoxychlor","0.020","g/l","U","0.019","MDL","TARGET","0.041","RDL","YES","-99","980","10","0.0
20",
"1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","72-43-5","Methoxychlor
[2C]","0.020","g/l","U","0.019","MDL","TARGET","0.041","RDL","YES","-99","980","10","0.020",
"1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","72-54-8","4,4'-DDD
(p,p')","0.020","g/l","U","0.019","MDL","TARGET","0.041","RDL","YES","-99","980","10","0.020",
"1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","72-54-8","4,4'-DDD (p,p')
[2C]","0.020","g/l","U","0.018","MDL","TARGET","0.041","RDL","YES","-99","980","10","0.020",
"1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","72-55-9","4,4'-DDE
(p,p')","0.020","g/l","U","0.018","MDL","TARGET","0.020","RDL","YES","-99","980","10","0.020",
"1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","72-55-9","4,4'-DDE (p,p')
[2C]","0.020","g/l","U","0.018","MDL","TARGET","0.020","RDL","YES","-99","980","10","0.020",
"1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","7421-93-4","Endrin
aldehyde","0.020","g/l","U","0.020","MDL","TARGET","0.041","RDL","YES","-99","980","10","0.020",
"1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","7421-93-4","Endrin aldehyde
[2C]","0.020","g/l","U","0.018","MDL","TARGET","0.041","RDL","YES","-99","980","10","0.020",
"1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","76-44-
8","Heptachlor","0.020","g/l","U","0.020","MDL","TARGET","0.020","RDL","YES","-99","980","10","0.020",
"1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","76-44-8","Heptachlor
[2C]","0.020","g/l","U","0.020","MDL","TARGET","0.020","RDL","YES","-99","980","10","0.020",
"1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","8001-35-
2","Toxaphene","0.510","g/l","U","0.335","MDL","TARGET","0.510","RDL","YES","-99","980","10","0.510",
"1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","8001-35-2","Toxaphene
[2C]","0.510","g/l","U","0.293","MDL","TARGET","0.510","RDL","YES","-99","980","10","0.510",
"1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","877-09-8","2,4,5,6-TC-M-Xylene
(IS)","0.020","g/ml","-99","NA","ISTD","80","-99","NA","YES","10.0","980","10","-99",
"1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS)
[2C]","0.020","g/ml","-99","NA","ISTD","98","-99","NA","YES","10.0","980","10","-99",
"1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","959-98-8","Endosulfan
I","0.020","g/l","U","0.017","MDL","TARGET","0.020","RDL","YES","-99","980","10","0.020",
"1715315-BLK1","SW846 8081B","RES","1715315-BLK1","ESAI","959-98-8","Endosulfan I

[2C]","0.020","g/l","U","0.016","MDL","TARGET","0.020","RDL","YES","-99","980","10","0.020",
"1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","1024-57-3","Heptachlor
epoxide","0.480","g/l","0.016","MDL","TARGET","93","0.021","RDL","YES","0.515","970","10","0.021",
"1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","1024-57-3","Heptachlor epoxide
[2C]","0.505","g/l","0.015","MDL","TARGET","98","0.021","RDL","YES","0.515","970","10","0.021",
"1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","1031-07-8","Endosulfan
sulfate","0.504","g/l","0.020","MDL","TARGET","98","0.041","RDL","YES","0.515","970","10","0.021",
"1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","1031-07-8","Endosulfan sulfate
[2C]","0.508","g/l","0.017","MDL","TARGET","98","0.041","RDL","YES","0.515","970","10","0.021",
"1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl
(Sr)","0.183","g/l","-99","NA","SUR","89","-99","NA","YES","0.206","970","10","-99",
"1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl (Sr)
[2C]","0.190","g/l","-99","NA","SUR","92","-99","NA","YES","0.206","970","10","-99",
"1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","15972-60-
8","Alachlor","0.579","g/l","0.019","MDL","TARGET","112","0.021","RDL","YES","0.515","970","10","0.02
1",
"1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","15972-60-8","Alachlor
[2C]","0.519","g/l","0.018","MDL","TARGET","101","0.021","RDL","YES","0.515","970","10","0.021",
"1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","2051-24-3","Decachlorobiphenyl
(Sr)","0.202","g/l","-99","NA","SUR","98","-99","NA","YES","0.206","970","10","-99",
"1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","2051-24-3","Decachlorobiphenyl (Sr)
[2C]","0.170","g/l","-99","NA","SUR","82","-99","NA","YES","0.206","970","10","-99",
"1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","309-00-
2","Aldrin","0.463","g/l","0.016","MDL","TARGET","90","0.021","RDL","YES","0.515","970","10","0.021",
"1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","309-00-2","Aldrin
[2C]","0.523","g/l","0.019","MDL","TARGET","101","0.021","RDL","YES","0.515","970","10","0.021",
"1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","319-84-6","alpha-
BHC","0.461","g/l","0.012","MDL","TARGET","89","0.021","RDL","YES","0.515","970","10","0.021",
"1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","319-84-6","alpha-BHC
[2C]","0.453","g/l","0.018","MDL","TARGET","88","0.021","RDL","YES","0.515","970","10","0.021",
"1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","319-85-7","beta-
BHC","0.463","g/l","0.015","MDL","TARGET","90","0.021","RDL","YES","0.515","970","10","0.021",
"1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","319-85-7","beta-BHC
[2C]","0.494","g/l","0.020","MDL","TARGET","96","0.021","RDL","YES","0.515","970","10","0.021",
"1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","319-86-8","delta-
BHC","0.454","g/l","0.016","MDL","TARGET","88","0.021","RDL","YES","0.515","970","10","0.021",
"1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","319-86-8","delta-BHC
[2C]","0.459","g/l","0.020","MDL","TARGET","89","0.021","RDL","YES","0.515","970","10","0.021",
"1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","33213-65-9","Endosulfan
II","0.482","g/l","0.021","MDL","TARGET","93","0.041","RDL","YES","0.515","970","10","0.021",
"1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","33213-65-9","Endosulfan II
[2C]","0.506","g/l","0.016","MDL","TARGET","98","0.041","RDL","YES","0.515","970","10","0.021",
"1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","50-29-3","4,4'-DDT
(p,p')","0.522","g/l","0.018","MDL","TARGET","101","0.041","RDL","YES","0.515","970","10","0.031",
"1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","50-29-3","4,4'-DDT (p,p')
[2C]","0.426","g/l","0.022","MDL","TARGET","83","0.041","RDL","YES","0.515","970","10","0.031",
"1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","5103-71-9","alpha-
Chlordane","0.480","g/l","0.016","MDL","TARGET","93","0.021","RDL","YES","0.515","970","10","0.021",
"1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","5103-71-9","alpha-Chlordane
[2C]","0.521","g/l","0.018","MDL","TARGET","101","0.021","RDL","YES","0.515","970","10","0.021",
"1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","5103-74-2","Chlordane (gamma)
(trans)","0.475","g/l","0.017","MDL","TARGET","92","0.021","RDL","YES","0.515","970","10","0.021",
"1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","5103-74-2","Chlordane (gamma)(trans)
[2C]","0.507","g/l","0.015","MDL","TARGET","98","0.021","RDL","YES","0.515","970","10","0.021",
"1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","53494-70-5","Endrin
ketone","0.508","g/l","0.018","MDL","TARGET","99","0.041","RDL","YES","0.515","970","10","0.021",
"1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","53494-70-5","Endrin ketone

[2C]","0.480","g/l","0.019","MDL","TARGET","93","0.041","RDL","YES","0.515","970","10","0.021",
 "1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","58-89-9","gamma-BHC
 (Lindane)","0.474","g/l","0.018","MDL","TARGET","92","0.021","RDL","YES","0.515","970","10","0.021",
 "1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","58-89-9","gamma-BHC (Lindane)
 [2C]","0.510","g/l","0.018","MDL","TARGET","99","0.021","RDL","YES","0.515","970","10","0.021",
 "1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","60-57-
 1","Dieldrin","0.477","g/l","0.018","MDL","TARGET","93","0.021","RDL","YES","0.515","970","10","0.021",
 "1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","60-57-1","Dieldrin
 [2C]","0.508","g/l","0.019","MDL","TARGET","99","0.021","RDL","YES","0.515","970","10","0.021",
 "1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","72-20-
 8","Endrin","0.546","g/l","0.020","MDL","TARGET","106","0.041","RDL","YES","0.515","970","10","0.021",
 "1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","72-20-8","Endrin
 [2C]","0.590","g/l","0.020","MDL","TARGET","114","0.041","RDL","YES","0.515","970","10","0.021",
 "1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","72-43-
 5","Methoxychlor","0.622","g/l","0.019","MDL","TARGET","121","0.041","RDL","YES","0.515","970","10",
 "0.021",
 "1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","72-43-5","Methoxychlor
 [2C]","0.504","g/l","0.019","MDL","TARGET","98","0.041","RDL","YES","0.515","970","10","0.021",
 "1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","72-54-8","4,4'-DDD
 (p,p')","0.456","g/l","0.019","MDL","TARGET","89","0.041","RDL","YES","0.515","970","10","0.021",
 "1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","72-54-8","4,4'-DDD (p,p')
 [2C]","0.517","g/l","0.018","MDL","TARGET","100","0.041","RDL","YES","0.515","970","10","0.021",
 "1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","72-55-9","4,4'-DDE
 (p,p')","0.472","g/l","0.018","MDL","TARGET","92","0.021","RDL","YES","0.515","970","10","0.021",
 "1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","72-55-9","4,4'-DDE (p,p')
 [2C]","0.529","g/l","0.018","MDL","TARGET","103","0.021","RDL","YES","0.515","970","10","0.021",
 "1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","7421-93-4","Endrin
 aldehyde","0.549","g/l","0.020","MDL","TARGET","107","0.041","RDL","YES","0.515","970","10","0.021",
 "1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","7421-93-4","Endrin aldehyde
 [2C]","0.556","g/l","0.018","MDL","TARGET","108","0.041","RDL","YES","0.515","970","10","0.021",
 "1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","76-44-
 8","Heptachlor","0.487","g/l","0.020","MDL","TARGET","94","0.021","RDL","YES","0.515","970","10",
 "0.021",
 "1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","76-44-8","Heptachlor
 [2C]","0.497","g/l","0.020","MDL","TARGET","96","0.021","RDL","YES","0.515","970","10","0.021",
 "1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","877-09-8","2,4,5,6-TC-M-Xylene
 (IS)","0.020","g/ml","-99","NA","ISTD","87","-99","NA","YES","10.0","970","10","-99",
 "1715315-BS1","SW846 8081B","RES","1715315-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","970","10","-99",
 "1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","959-98-8","Endosulfan
 I","0.484","g/l","0.017","MDL","TARGET","94","0.021","RDL","YES","0.515","970","10","0.021",
 "1715315-BS1","SW846 8081B","RES","1715315-BS1","ESAI","959-98-8","Endosulfan I
 [2C]","0.524","g/l","0.016","MDL","TARGET","102","0.021","RDL","YES","0.515","970","10","0.021",
 "1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","1024-57-3","Heptachlor
 epoxide","0.444","g/l","0.016","MDL","TARGET","87","8","0.020","RDL","YES","0.510","980","10","0.020",
 "1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","1024-57-3","Heptachlor epoxide
 [2C]","0.460","g/l","0.015","MDL","TARGET","90","9","0.020","RDL","YES","0.510","980","10","0.020",
 "1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","1031-07-8","Endosulfan
 sulfate","0.421","g/l","0.020","MDL","TARGET","83","18","0.041","RDL","YES","0.510","980","10","0.020",
 "1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","1031-07-8","Endosulfan sulfate
 [2C]","0.447","g/l","0.017","MDL","TARGET","88","13","0.041","RDL","YES","0.510","980","10","0.020",
 "1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl
 (Sr)","0.169","g/l","-99","NA","SUR","83","-99","NA","YES","0.204","980","10","-99",

"1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl (Sr) [2C]","0.172","g/l","-99","NA","SUR","84","-99","NA","YES","0.204","980","10","-99",
 "1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","15972-60-8","Alachlor","0.544","g/l","0.019","MDL","TARGET","107","6","0.020","RDL","YES","0.510","980","10","0.020",
 "1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","15972-60-8","Alachlor [2C]","0.473","g/l","0.018","MDL","TARGET","93","9","0.020","RDL","YES","0.510","980","10","0.020",
 "1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","2051-24-3","Decachlorobiphenyl (Sr)","0.135","g/l","-99","NA","SUR","66","-99","NA","YES","0.204","980","10","-99",
 "1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","2051-24-3","Decachlorobiphenyl (Sr) [2C]","0.135","g/l","-99","NA","SUR","66","-99","NA","YES","0.204","980","10","-99",
 "1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","309-00-2","Aldrin","0.432","g/l","0.016","MDL","TARGET","85","7","0.020","RDL","YES","0.510","980","10","0.020",
 "1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","309-00-2","Aldrin [2C]","0.479","g/l","0.019","MDL","TARGET","94","9","0.020","RDL","YES","0.510","980","10","0.020",
 "1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","319-84-6","alpha-BHC","0.438","g/l","0.012","MDL","TARGET","86","5","0.020","RDL","YES","0.510","980","10","0.020",
 "1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","319-84-6","alpha-BHC [2C]","0.423","g/l","0.018","MDL","TARGET","83","7","0.020","RDL","YES","0.510","980","10","0.020",
 "1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","319-85-7","beta-BHC","0.449","g/l","0.015","MDL","TARGET","88","3","0.020","RDL","YES","0.510","980","10","0.020",
 "1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","319-85-7","beta-BHC [2C]","0.457","g/l","0.019","MDL","TARGET","90","8","0.020","RDL","YES","0.510","980","10","0.020",
 "1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","319-86-8","delta-BHC","0.426","g/l","0.016","MDL","TARGET","83","6","0.020","RDL","YES","0.510","980","10","0.020",
 "1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","319-86-8","delta-BHC [2C]","0.427","g/l","0.020","MDL","TARGET","84","7","0.020","RDL","YES","0.510","980","10","0.020",
 "1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","33213-65-9","Endosulfan II","0.423","g/l","0.020","MDL","TARGET","83","13","0.041","RDL","YES","0.510","980","10","0.020",
 "1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","33213-65-9","Endosulfan II [2C]","0.453","g/l","0.016","MDL","TARGET","89","11","0.041","RDL","YES","0.510","980","10","0.020",
 "1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","50-29-3","4,4'-DDT (p,p')","0.431","g/l","0.018","MDL","TARGET","84","19","0.041","RDL","YES","0.510","980","10","0.031",
 "1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","50-29-3","4,4'-DDT (p,p') [2C]","0.372","g/l","0.022","MDL","TARGET","73","13","0.041","RDL","YES","0.510","980","10","0.031",
 "1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","5103-71-9","alpha-Chlordane","0.443","g/l","0.016","MDL","TARGET","87","8","0.020","RDL","YES","0.510","980","10","0.020",
 "1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","5103-71-9","alpha-Chlordane [2C]","0.471","g/l","0.017","MDL","TARGET","92","10","0.020","RDL","YES","0.510","980","10","0.020",
 "1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","5103-74-2","Chlordane (gamma (trans))","0.431","g/l","0.016","MDL","TARGET","84","10","0.020","RDL","YES","0.510","980","10","0.020",
 "1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","5103-74-2","Chlordane (gamma)(trans) [2C]","0.458","g/l","0.014","MDL","TARGET","90","10","0.020","RDL","YES","0.510","980","10","0.020",
 "1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","53494-70-5","Endrin ketone","0.402","g/l","QR2","0.018","MDL","TARGET","79","23","0.041","RDL","YES","0.510","980","10","0.020",
 "1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","53494-70-5","Endrin ketone [2C]","0.417","g/l","0.018","MDL","TARGET","82","14","0.041","RDL","YES","0.510","980","10","0.020",
 "1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","58-89-9","gamma-BHC (Lindane)","0.451","g/l","0.018","MDL","TARGET","88","5","0.020","RDL","YES","0.510","980","10","0.020",
 "1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","58-89-9","gamma-BHC (Lindane) [2C]","0.475","g/l","0.018","MDL","TARGET","93","7","0.020","RDL","YES","0.510","980","10","0.020",
 "1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","60-57-

1","Dieldrin","0.429","g/l","0.017","MDL","TARGET","84","11","0.020","RDL","YES","0.510","980","10","0.020",
"1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","60-57-1","Dieldrin
[2C]","0.465","g/l","0.019","MDL","TARGET","91","9","0.020","RDL","YES","0.510","980","10","0.020",
"1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","72-20-
8","Endrin","0.456","g/l","0.020","MDL","TARGET","89","18","0.041","RDL","YES","0.510","980","10","0.020",
"1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","72-20-8","Endrin
[2C]","0.533","g/l","0.020","MDL","TARGET","104","10","0.041","RDL","YES","0.510","980","10","0.020",
"1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","72-43-
5","Methoxychlor","0.458","g/l","QR2","0.019","MDL","TARGET","90","30","0.041","RDL","YES","0.510","980",
"10","0.020",
"1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","72-43-5","Methoxychlor
[2C]","0.425","g/l","0.019","MDL","TARGET","83","17","0.041","RDL","YES","0.510","980","10","0.020",
"1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","72-54-8","4,4'-DDD
(p,p')","0.400","g/l","0.019","MDL","TARGET","78","13","0.041","RDL","YES","0.510","980","10","0.020",
"1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","72-54-8","4,4'-DDD (p,p')
[2C]","0.455","g/l","0.018","MDL","TARGET","89","13","0.041","RDL","YES","0.510","980","10","0.020",
"1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","72-55-9","4,4'-DDE
(p,p')","0.427","g/l","0.018","MDL","TARGET","84","10","0.020","RDL","YES","0.510","980","10","0.020",
"1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","72-55-9","4,4'-DDE (p,p')
[2C]","0.471","g/l","0.018","MDL","TARGET","92","12","0.020","RDL","YES","0.510","980","10","0.020",
"1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","7421-93-4","Endrin
aldehyde","0.454","g/l","0.020","MDL","TARGET","89","19","0.041","RDL","YES","0.510","980","10","0.020",
"1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","7421-93-4","Endrin aldehyde
[2C]","0.493","g/l","0.018","MDL","TARGET","97","12","0.041","RDL","YES","0.510","980","10","0.020",
"1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","76-44-
8","Heptachlor","0.457","g/l","0.020","MDL","TARGET","90","6","0.020","RDL","YES","0.510","980","10",
"0.020",
"1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","76-44-8","Heptachlor
[2C]","0.461","g/l","0.020","MDL","TARGET","90","7","0.020","RDL","YES","0.510","980","10","0.020",
"1715315-BSD1","SW846 8081B","RES","1715315-BSD1","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","980","10","-99",
"1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS)
[2C]","0.020","g/ml","-99","NA","ISTD","107","-99","NA","YES","10.0","980","10","-99",
"1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","959-98-8","Endosulfan
I","0.446","g/l","0.017","MDL","TARGET","87","8","0.020","RDL","YES","0.510","980","10","0.020",
"1715315-BSD1","SW846 8081B","RES","1715315-BSD1","ESAI","959-98-8","Endosulfan I
[2C]","0.475","g/l","0.016","MDL","TARGET","93","10","0.020","RDL","YES","0.510","980","10","0.020",
"1715452-BLK1","SW846 8260C","RES","1715452-BLK1","ESAI","100-41-
4","Ethylbenzene","0.5","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"1715452-BLK1","SW846 8260C","RES","1715452-BLK1","ESAI","100-42-
5","Styrene","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"1715452-BLK1","SW846 8260C","RES","1715452-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",
"1715452-BLK1","SW846 8260C","RES","1715452-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",
"1715452-BLK1","SW846 8260C","RES","1715452-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",
"1715452-BLK1","SW846 8260C","RES","1715452-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",
"1715452-BLK1","SW846 8260C","RES","1715452-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",
"1715452-BLK1","SW846 8260C","RES","1715452-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",
"1715452-BLK1","SW846 8260C","RES","1715452-BLK1","ESAI","108-87-

2", "Methylcyclohexane", "2.0", "g/l", "U", "0.7", "MDL", "TARGET", "5.0", "RDL", "YES", "-99", "5", "5", "2.0",
"1715452-BLK1", "SW846 8260C", "RES", "1715452-BLK1", "ESAI", "108-88-
3", "Toluene", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1715452-BLK1", "SW846 8260C", "RES", "1715452-BLK1", "ESAI", "108-90-
7", "Chlorobenzene", "0.5", "g/l", "U", "0.2", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"1715452-BLK1", "SW846 8260C", "RES", "1715452-BLK1", "ESAI", "110-82-
7", "Cyclohexane", "2.0", "g/l", "U", "0.8", "MDL", "TARGET", "5.0", "RDL", "YES", "-99", "5", "5", "2.0",
"1715452-BLK1", "SW846 8260C", "RES", "1715452-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",
"1715452-BLK1", "SW846 8260C", "RES", "1715452-BLK1", "ESAI", "124-48-
1", "Dibromochloromethane", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"1715452-BLK1", "SW846 8260C", "RES", "1715452-BLK1", "ESAI", "127-18-
4", "Tetrachloroethene", "1.0", "g/l", "U", "0.6", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1715452-BLK1", "SW846 8260C", "RES", "1715452-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",
"1715452-BLK1", "SW846 8260C", "RES", "1715452-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",
"1715452-BLK1", "SW846 8260C", "RES", "1715452-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",
"1715452-BLK1", "SW846 8260C", "RES", "1715452-BLK1", "ESAI", "17060-07-0", "1,2-Dichloroethane-
d4", "52.8", "g/l", "-99", "NA", "SUR", "106", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"1715452-BLK1", "SW846 8260C", "RES", "1715452-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",
"1715452-BLK1", "SW846 8260C", "RES", "1715452-BLK1", "ESAI", "1868-53-
7", "Dibromofluoromethane", "50.9", "g/l", "-99", "NA", "SUR", "102", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"1715452-BLK1", "SW846 8260C", "RES", "1715452-BLK1", "ESAI", "2037-26-5", "Toluene-
d8", "49.9", "g/l", "-99", "NA", "SUR", "100", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"1715452-BLK1", "SW846 8260C", "RES", "1715452-BLK1", "ESAI", "3114-55-4", "Chlorobenzene-
d5", "50.0", "g/l", "-99", "NA", "ISTD", "99", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"1715452-BLK1", "SW846 8260C", "RES", "1715452-BLK1", "ESAI", "3855-82-1", "1,4-Dichlorobenzene-
d4", "50.0", "g/l", "-99", "NA", "ISTD", "98", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"1715452-BLK1", "SW846 8260C", "RES", "1715452-BLK1", "ESAI", "460-00-4", "4-
Bromofluorobenzene", "50.0", "g/l", "-99", "NA", "SUR", "100", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"1715452-BLK1", "SW846 8260C", "RES", "1715452-BLK1", "ESAI", "462-06-
6", "Fluorobenzene", "50.0", "g/l", "-99", "NA", "ISTD", "104", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"1715452-BLK1", "SW846 8260C", "RES", "1715452-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",
"1715452-BLK1", "SW846 8260C", "RES", "1715452-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",
"1715452-BLK1", "SW846 8260C", "RES", "1715452-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",
"1715452-BLK1", "SW846 8260C", "RES", "1715452-BLK1", "ESAI", "67-64-
1", "Acetone", "2.0", "g/l", "U", "0.8", "MDL", "TARGET", "10.0", "RDL", "YES", "-99", "5", "5", "2.0",
"1715452-BLK1", "SW846 8260C", "RES", "1715452-BLK1", "ESAI", "67-66-
3", "Chloroform", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1715452-BLK1", "SW846 8260C", "RES", "1715452-BLK1", "ESAI", "71-43-
2", "Benzene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"1715452-BLK1", "SW846 8260C", "RES", "1715452-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",
"1715452-BLK1", "SW846 8260C", "RES", "1715452-BLK1", "ESAI", "74-83-
9", "Bromomethane", "2.0", "g/l", "U", "0.9", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"1715452-BLK1", "SW846 8260C", "RES", "1715452-BLK1", "ESAI", "74-87-
3", "Chloromethane", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1715452-BLK1", "SW846 8260C", "RES", "1715452-BLK1", "ESAI", "74-97-
5", "Bromochloromethane", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"1715452-BLK1", "SW846 8260C", "RES", "1715452-BLK1", "ESAI", "75-00-
3", "Chloroethane", "2.0", "g/l", "U", "0.6", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",

"1715452-BLK1","SW846 8260C","RES","1715452-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",
"1715452-BLK1","SW846 8260C","RES","1715452-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",
"1715452-BLK1","SW846 8260C","RES","1715452-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",
"1715452-BLK1","SW846 8260C","RES","1715452-BLK1","ESAI","75-25-2","Bromoform","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"1715452-BLK1","SW846 8260C","RES","1715452-BLK1","ESAI","75-27-4","Bromodichloromethane","0.5","g/l","U","0.4","MDL","TARGET","0.5","RDL","YES","-99","5","5","0.5",
"1715452-BLK1","SW846 8260C","RES","1715452-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",
"1715452-BLK1","SW846 8260C","RES","1715452-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",
"1715452-BLK1","SW846 8260C","RES","1715452-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",
"1715452-BLK1","SW846 8260C","RES","1715452-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",
"1715452-BLK1","SW846 8260C","RES","1715452-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",
"1715452-BLK1","SW846 8260C","RES","1715452-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",
"1715452-BLK1","SW846 8260C","RES","1715452-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",
"1715452-BLK1","SW846 8260C","RES","1715452-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",
"1715452-BLK1","SW846 8260C","RES","1715452-BLK1","ESAI","79-01-6","Trichloroethene","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"1715452-BLK1","SW846 8260C","RES","1715452-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",
"1715452-BLK1","SW846 8260C","RES","1715452-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",
"1715452-BLK1","SW846 8260C","RES","1715452-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",
"1715452-BLK1","SW846 8260C","RES","1715452-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",
"1715452-BLK1","SW846 8260C","RES","1715452-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",
"1715452-BLK1","SW846 8260C","RES","1715452-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",
"1715452-BLK1","SW846 8260C","RES","1715452-BLK1","ESAI","98-82-8","Isopropylbenzene","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","100-41-4","Ethylbenzene","23.3","g/l","-99","NA","TARGET","117","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","100-42-5","Styrene","23.6","g/l","-99","NA","TARGET","118","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","10061-01-5","cis-1,3-Dichloropropene","21.1","g/l","-99","NA","TARGET","105","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","10061-02-6","trans-1,3-Dichloropropene","21.9","g/l","-99","NA","TARGET","110","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","106-46-7","1,4-Dichlorobenzene","22.0","g/l","-99","NA","TARGET","110","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","106-93-4","1,2-Dibromoethane (EDB)","22.2","g/l","-99","NA","TARGET","111","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","107-06-2","1,2-Dichloroethane","21.2","g/l","-99","NA","TARGET","106","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","108-10-1","4-Methyl-2-pentanone

(MIBK),"21.0","g/l","-99","NA","TARGET","105","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","108-87-
2","Methylcyclohexane","21.6","g/l","-99","NA","TARGET","108","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","108-88-
3","Toluene","21.2","g/l","-99","NA","TARGET","106","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","108-90-
7","Chlorobenzene","22.7","g/l","-99","NA","TARGET","113","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","110-82-
7","Cyclohexane","22.0","g/l","-99","NA","TARGET","110","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","120-82-1","1,2,4-
Trichlorobenzene","21.5","g/l","-99","NA","TARGET","107","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","124-48-
1","Dibromochloromethane","21.4","g/l","-99","NA","TARGET","107","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","127-18-
4","Tetrachloroethene","21.5","g/l","-99","NA","TARGET","108","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","156-59-2","cis-1,2-
Dichloroethene","21.4","g/l","-99","NA","TARGET","107","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","156-60-5","trans-1,2-
Dichloroethene","20.7","g/l","-99","NA","TARGET","104","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","1634-04-4","Methyl tert-butyl
ether","22.9","g/l","-99","NA","TARGET","115","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","17060-07-0","1,2-Dichloroethane-
d4","52.3","g/l","-99","NA","SUR","105","-99","NA","YES","50.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","179601-23-1","m,p-
Xylene","23.7","g/l","-99","NA","TARGET","119","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","1868-53-
7","Dibromofluoromethane","50.1","g/l","-99","NA","SUR","100","-99","NA","YES","50.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","2037-26-5","Toluene-
d8","49.5","g/l","-99","NA","SUR","99","-99","NA","YES","50.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","3114-55-4","Chlorobenzene-
d5","50.0","g/l","-99","NA","ISTD","94","-99","NA","YES","50.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","3855-82-1","1,4-Dichlorobenzene-
d4","50.0","g/l","-99","NA","ISTD","96","-99","NA","YES","50.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","460-00-4","4-
Bromofluorobenzene","50.5","g/l","-99","NA","SUR","101","-99","NA","YES","50.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","462-06-
6","Fluorobenzene","50.0","g/l","-99","NA","ISTD","96","-99","NA","YES","50.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","541-73-1","1,3-
Dichlorobenzene","23.4","g/l","-99","NA","TARGET","117","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","56-23-5","Carbon
tetrachloride","22.1","g/l","-99","NA","TARGET","111","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","591-78-6","2-Hexanone
(MBK)","21.9","g/l","-99","NA","TARGET","110","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","67-64-
1","Acetone","23.2","g/l","-99","NA","TARGET","116","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","67-66-
3","Chloroform","21.5","g/l","-99","NA","TARGET","108","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","71-43-
2","Benzene","21.6","g/l","-99","NA","TARGET","108","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","71-55-6","1,1,1-
Trichloroethane","22.4","g/l","-99","NA","TARGET","112","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","74-83-
9","Bromomethane","17.7","g/l","-99","NA","TARGET","88","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","74-87-
3","Chloromethane","22.0","g/l","-99","NA","TARGET","110","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","74-97-

5","Bromochloromethane","21.0","g/l","-99","NA","TARGET","105","-99","NA","YES","20.0","5","5","-99",
,
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","75-00-3","Chloroethane","20.8","g/l","-99","NA","TARGET","104","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","75-01-4","Vinyl chloride","21.9","g/l","-99","NA","TARGET","109","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","75-09-2","Methylene chloride","20.8","g/l","-99","NA","TARGET","104","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","75-15-0","Carbon disulfide","22.1","g/l","-99","NA","TARGET","111","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","75-25-2","Bromoform","24.1","g/l","-99","NA","TARGET","120","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","75-27-4","Bromodichloromethane","23.6","g/l","-99","NA","TARGET","118","-99","NA","YES","20.0","5","5","-99",
9",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","75-34-3","1,1-Dichloroethane","22.1","g/l","-99","NA","TARGET","111","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","75-35-4","1,1-Dichloroethene","20.5","g/l","-99","NA","TARGET","102","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","75-69-4","Trichlorofluoromethane (Freon 11)","22.8","g/l","-99","NA","TARGET","114","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","75-71-8","Dichlorodifluoromethane (Freon12)","19.5","g/l","-99","NA","TARGET","98","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","76-13-1","1,1,2-Trichlorotrifluoroethane (Freon 113)","19.9","g/l","-99","NA","TARGET","99","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","78-87-5","1,2-Dichloropropane","20.5","g/l","-99","NA","TARGET","103","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","78-93-3","2-Butanone (MEK)","22.0","g/l","-99","NA","TARGET","110","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","79-00-5","1,1,2-Trichloroethane","22.7","g/l","-99","NA","TARGET","114","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","79-01-6","Trichloroethene","21.3","g/l","-99","NA","TARGET","106","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","79-20-9","Methyl acetate","17.8","g/l","-99","NA","TARGET","89","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","79-34-5","1,1,2,2-Tetrachloroethane","23.9","g/l","-99","NA","TARGET","120","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","87-61-6","1,2,3-Trichlorobenzene","22.7","g/l","-99","NA","TARGET","114","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","95-47-6","o-Xylene","23.9","g/l","-99","NA","TARGET","119","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","95-50-1","1,2-Dichlorobenzene","22.7","g/l","-99","NA","TARGET","114","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","96-12-8","1,2-Dibromo-3-chloropropane","24.9","g/l","-99","NA","TARGET","124","-99","NA","YES","20.0","5","5","-99",
"1715452-BS1","SW846 8260C","RES","1715452-BS1","ESAI","98-82-8","Isopropylbenzene","22.5","g/l","-99","NA","TARGET","113","-99","NA","YES","20.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","100-41-4","Ethylbenzene","20.6","g/l","-99","NA","TARGET","103","13","-99","NA","YES","20.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","100-42-5","Styrene","20.3","g/l","-99","NA","TARGET","102","15","-99","NA","YES","20.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","10061-01-5","cis-1,3-Dichloropropene","19.0","g/l","-99","NA","TARGET","95","10","-99","NA","YES","20.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","10061-02-6","trans-1,3-Dichloropropene","20.0","g/l","-99","NA","TARGET","100","9","-99","NA","YES","20.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","106-46-7","1,4-Dichlorobenzene","20.8","g/l","-99","NA","TARGET","104","6","-99","NA","YES","20.0","5","5","-99",

"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","106-93-4","1,2-Dibromoethane (EDB)","20.2","g/l","-99","NA","TARGET","101","9","-99","NA","YES","20.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","107-06-2","1,2-Dichloroethane","19.6","g/l","-99","NA","TARGET","98","8","-99","NA","YES","20.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","108-10-1","4-Methyl-2-pentanone (MIBK)","19.6","g/l","-99","NA","TARGET","98","7","-99","NA","YES","20.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","108-87-2","Methylcyclohexane","19.4","g/l","-99","NA","TARGET","97","11","-99","NA","YES","20.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","108-88-3","Toluene","18.9","g/l","-99","NA","TARGET","95","12","-99","NA","YES","20.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","108-90-7","Chlorobenzene","20.6","g/l","-99","NA","TARGET","103","10","-99","NA","YES","20.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","110-82-7","Cyclohexane","19.6","g/l","-99","NA","TARGET","98","11","-99","NA","YES","20.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","120-82-1","1,2,4-Trichlorobenzene","20.2","g/l","-99","NA","TARGET","101","6","-99","NA","YES","20.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","124-48-1","Dibromochloromethane","20.2","g/l","-99","NA","TARGET","101","6","-99","NA","YES","20.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","127-18-4","Tetrachloroethene","18.6","g/l","-99","NA","TARGET","93","14","-99","NA","YES","20.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","156-59-2","cis-1,2-Dichloroethene","19.0","g/l","-99","NA","TARGET","95","12","-99","NA","YES","20.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","156-60-5","trans-1,2-Dichloroethene","19.7","g/l","-99","NA","TARGET","98","5","-99","NA","YES","20.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","1634-04-4","Methyl tert-butyl ether","23.4","g/l","-99","NA","TARGET","117","2","-99","NA","YES","20.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","17060-07-0","1,2-Dichloroethane-d4","50.4","g/l","-99","NA","SUR","101","-99","NA","YES","50.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","179601-23-1","m,p-Xylene","20.8","g/l","-99","NA","TARGET","104","13","-99","NA","YES","20.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","1868-53-7","Dibromofluoromethane","50.1","g/l","-99","NA","SUR","100","-99","NA","YES","50.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","2037-26-5","Toluene-d8","49.4","g/l","-99","NA","SUR","99","-99","NA","YES","50.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","3114-55-4","Chlorobenzene-d5","50.0","g/l","-99","NA","ISTD","103","-99","NA","YES","50.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","3855-82-1","1,4-Dichlorobenzene-d4","50.0","g/l","-99","NA","ISTD","103","-99","NA","YES","50.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","460-00-4","4-Bromofluorobenzene","49.7","g/l","-99","NA","SUR","99","-99","NA","YES","50.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","462-06-6","Fluorobenzene","50.0","g/l","-99","NA","ISTD","104","-99","NA","YES","50.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","541-73-1","1,3-Dichlorobenzene","21.2","g/l","-99","NA","TARGET","106","10","-99","NA","YES","20.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","56-23-5","Carbon tetrachloride","19.2","g/l","-99","NA","TARGET","96","14","-99","NA","YES","20.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","591-78-6","2-Hexanone (MBK)","19.9","g/l","-99","NA","TARGET","100","10","-99","NA","YES","20.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","67-64-1","Acetone","22.4","g/l","-99","NA","TARGET","112","4","-99","NA","YES","20.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","67-66-3","Chloroform","19.3","g/l","-99","NA","TARGET","96","11","-99","NA","YES","20.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","71-43-2","Benzene","19.7","g/l","-99","NA","TARGET","98","10","-99","NA","YES","20.0","5","5","-99",
"1715452-BSD1","SW846 8260C","RES","1715452-BSD1","ESAI","71-55-6","1,1,1-

Trichloroethane", "19.9", "g/l", "-99", "NA", "TARGET", "99", "12", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1715452-BSD1", "SW846 8260C", "RES", "1715452-BSD1", "ESAI", "74-83-9", "Bromomethane", "17.7", "g/l", "-99", "NA", "TARGET", "88", "0.2", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1715452-BSD1", "SW846 8260C", "RES", "1715452-BSD1", "ESAI", "74-87-3", "Chloromethane", "19.4", "g/l", "-99", "NA", "TARGET", "97", "12", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1715452-BSD1", "SW846 8260C", "RES", "1715452-BSD1", "ESAI", "74-97-5", "Bromochloromethane", "19.4", "g/l", "-99", "NA", "TARGET", "97", "8", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1715452-BSD1", "SW846 8260C", "RES", "1715452-BSD1", "ESAI", "75-00-3", "Chloroethane", "20.6", "g/l", "-99", "NA", "TARGET", "103", "1", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1715452-BSD1", "SW846 8260C", "RES", "1715452-BSD1", "ESAI", "75-01-4", "Vinyl chloride", "20.1", "g/l", "-99", "NA", "TARGET", "101", "8", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1715452-BSD1", "SW846 8260C", "RES", "1715452-BSD1", "ESAI", "75-09-2", "Methylene chloride", "18.3", "g/l", "-99", "NA", "TARGET", "92", "13", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1715452-BSD1", "SW846 8260C", "RES", "1715452-BSD1", "ESAI", "75-15-0", "Carbon disulfide", "19.4", "g/l", "-99", "NA", "TARGET", "97", "13", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1715452-BSD1", "SW846 8260C", "RES", "1715452-BSD1", "ESAI", "75-25-2", "Bromoform", "22.4", "g/l", "-99", "NA", "TARGET", "112", "7", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1715452-BSD1", "SW846 8260C", "RES", "1715452-BSD1", "ESAI", "75-27-4", "Bromodichloromethane", "20.7", "g/l", "-99", "NA", "TARGET", "104", "13", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1715452-BSD1", "SW846 8260C", "RES", "1715452-BSD1", "ESAI", "75-34-3", "1,1-Dichloroethane", "19.9", "g/l", "-99", "NA", "TARGET", "99", "11", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1715452-BSD1", "SW846 8260C", "RES", "1715452-BSD1", "ESAI", "75-35-4", "1,1-Dichloroethene", "19.2", "g/l", "-99", "NA", "TARGET", "96", "7", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1715452-BSD1", "SW846 8260C", "RES", "1715452-BSD1", "ESAI", "75-69-4", "Trichlorofluoromethane (Freon 11)", "19.6", "g/l", "-99", "NA", "TARGET", "98", "15", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1715452-BSD1", "SW846 8260C", "RES", "1715452-BSD1", "ESAI", "75-71-8", "Dichlorodifluoromethane (Freon 12)", "17.1", "g/l", "-99", "NA", "TARGET", "86", "13", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1715452-BSD1", "SW846 8260C", "RES", "1715452-BSD1", "ESAI", "76-13-1", "1,1,2-Trichlorotrifluoroethane (Freon 113)", "19.1", "g/l", "-99", "NA", "TARGET", "95", "4", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1715452-BSD1", "SW846 8260C", "RES", "1715452-BSD1", "ESAI", "78-87-5", "1,2-Dichloropropane", "18.9", "g/l", "-99", "NA", "TARGET", "94", "8", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1715452-BSD1", "SW846 8260C", "RES", "1715452-BSD1", "ESAI", "78-93-3", "2-Butanone (MEK)", "19.0", "g/l", "-99", "NA", "TARGET", "95", "14", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1715452-BSD1", "SW846 8260C", "RES", "1715452-BSD1", "ESAI", "79-00-5", "1,1,2-Trichloroethane", "19.9", "g/l", "-99", "NA", "TARGET", "100", "13", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1715452-BSD1", "SW846 8260C", "RES", "1715452-BSD1", "ESAI", "79-01-6", "Trichloroethene", "19.5", "g/l", "-99", "NA", "TARGET", "98", "9", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1715452-BSD1", "SW846 8260C", "RES", "1715452-BSD1", "ESAI", "79-20-9", "Methyl acetate", "18.3", "g/l", "-99", "NA", "TARGET", "92", "3", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1715452-BSD1", "SW846 8260C", "RES", "1715452-BSD1", "ESAI", "79-34-5", "1,1,2,2-Tetrachloroethane", "21.0", "g/l", "-99", "NA", "TARGET", "105", "13", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1715452-BSD1", "SW846 8260C", "RES", "1715452-BSD1", "ESAI", "87-61-6", "1,2,3-Trichlorobenzene", "22.1", "g/l", "-99", "NA", "TARGET", "111", "3", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1715452-BSD1", "SW846 8260C", "RES", "1715452-BSD1", "ESAI", "95-47-6", "o-Xylene", "20.9", "g/l", "-99", "NA", "TARGET", "104", "13", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1715452-BSD1", "SW846 8260C", "RES", "1715452-BSD1", "ESAI", "95-50-1", "1,2-Dichlorobenzene", "21.0", "g/l", "-99", "NA", "TARGET", "105", "8", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1715452-BSD1", "SW846 8260C", "RES", "1715452-BSD1", "ESAI", "96-12-8", "1,2-Dibromo-3-chloropropane", "23.1", "g/l", "-99", "NA", "TARGET", "116", "7", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1715452-BSD1", "SW846 8260C", "RES", "1715452-BSD1", "ESAI", "98-82-8", "Isopropylbenzene", "20.4", "g/l", "-99", "NA", "TARGET", "102", "10", "-99", "NA", "YES", "20.0", "5", "5", "-99",
"1715514-BLK1", "Mod EPA 3C/SOP RSK-175", "RES", "1715514-BLK1", "ESAI", "74-82-8", "Methane", "2.20", "g/l", "U", "2.16", "MDL", "TARGET", "2.20", "RDL", "YES", "-99", "10", "10", "2.20",
"1715514-BLK1", "Mod EPA 3C/SOP RSK-175", "RES", "1715514-BLK1", "ESAI", "74-84-

0","Ethane","5.00","mg/l","U","3.48","MDL","TARGET","5.00","RDL","YES",-99,"10","10","5.00",
"1715514-BS1","Mod EPA 3C/SOP RSK-175","RES","1715514-BS1","ESAI","74-82-
8","Methane","428","mg/l",-99,"NA","TARGET","86",-99,"NA","YES","500","10","10",-99",
"1715514-BS1","Mod EPA 3C/SOP RSK-175","RES","1715514-BS1","ESAI","74-84-
0","Ethane","471","mg/l",-99,"NA","TARGET","94",-99,"NA","YES","500","10","10",-99",
"1715643-BLK1","SM2320B (97, 11)","RES","1715643-BLK1","ESAI","NA","Total Alkalinity","3.00","mg/l
CaCO3","U","1.05","MDL","TARGET","4.00","RDL","YES",-99,"50","50","3.00",
"1715643-BLK2","SM2320B (97, 11)","RES","1715643-BLK2","ESAI","NA","Total Alkalinity","3.00","mg/l
CaCO3","U","1.05","MDL","TARGET","4.00","RDL","YES",-99,"50","50","3.00",
"1715643-BLK3","SM2320B (97, 11)","RES","1715643-BLK3","ESAI","NA","Total Alkalinity","3.00","mg/l
CaCO3","U","1.05","MDL","TARGET","4.00","RDL","YES",-99,"50","50","3.00",
"1715643-BLK4","SM2320B (97, 11)","RES","1715643-BLK4","ESAI","NA","Total Alkalinity","3.00","mg/l
CaCO3","U","1.05","MDL","TARGET","4.00","RDL","YES",-99,"50","50","3.00",
"1715643-BS1","SM2320B (97, 11)","RES","1715643-BS1","ESAI","NA","Total Alkalinity","52.7","mg/l
CaCO3","1.05","MDL","TARGET","105","4.00","RDL","YES","50.0","50","50","3.00",
"1715643-BS2","SM2320B (97, 11)","RES","1715643-BS2","ESAI","NA","Total Alkalinity","52.7","mg/l
CaCO3","1.05","MDL","TARGET","105","4.00","RDL","YES","50.0","50","50","3.00",
"1715643-BS3","SM2320B (97, 11)","RES","1715643-BS3","ESAI","NA","Total Alkalinity","52.4","mg/l
CaCO3","1.05","MDL","TARGET","105","4.00","RDL","YES","50.0","50","50","3.00",
"1715643-BS4","SM2320B (97, 11)","RES","1715643-BS4","ESAI","NA","Total Alkalinity","52.2","mg/l
CaCO3","1.05","MDL","TARGET","104","4.00","RDL","YES","50.0","50","50","3.00",
"1715643-SRM1","SM2320B (97, 11)","RES","1715643-SRM1","ESAI","NA","Total Alkalinity","120","mg/l
CaCO3","3.50","MDL","TARGET","97","13.3","RDL","YES","124","15","50","10.0",
"1715646-BLK1","SM5310B (00, 11)","RES","1715646-BLK1","ESAI","NA","Total Organic
Carbon","0.500","mg/l","U","0.238","MDL","TARGET","1.00","RDL","YES",-99,"40","40","0.500",
"1715646-BS1","SM5310B (00, 11)","RES","1715646-BS1","ESAI","NA","Total Organic
Carbon","16.9","mg/l","0.238","MDL","TARGET","112","1.00","RDL","YES","15.0","40","40","0.500",
"1715646-CCB1","SM5310B (00, 11)","RES","1715646-CCB1","ESAI","NA","Total Organic
Carbon","0.116","mg/l",-99,"NA","TARGET",-99,"NA","YES",-99,"40","40",-99",
"1715646-CCB2","SM5310B (00, 11)","RES","1715646-CCB2","ESAI","NA","Total Organic
Carbon","0.118","mg/l",-99,"NA","TARGET",-99,"NA","YES",-99,"40","40",-99",
"1715646-CCB3","SM5310B (00, 11)","RES","1715646-CCB3","ESAI","NA","Total Organic
Carbon","0.259","mg/l","J",-99,"NA","TARGET",-99,"NA","YES",-99,"40","40",-99",
"1715646-CCV1","SM5310B (00, 11)","RES","1715646-CCV1","ESAI","NA","Total Organic
Carbon","16.9","mg/l","0.238","MDL","TARGET","113","1.00","RDL","YES","15.0","40","40","0.500",
"1715646-CCV2","SM5310B (00, 11)","RES","1715646-CCV2","ESAI","NA","Total Organic
Carbon","17.2","mg/l","0.238","MDL","TARGET","115","1.00","RDL","YES","15.0","40","40","0.500",
"1715646-CCV3","SM5310B (00, 11)","RES","1715646-CCV3","ESAI","NA","Total Organic
Carbon","16.8","mg/l","0.238","MDL","TARGET","112","1.00","RDL","YES","15.0","40","40","0.500",
"1715646-SRM1","SM5310B (00, 11)","RES","1715646-SRM1","ESAI","NA","Total Organic
Carbon","16.0","mg/l","0.238","MDL","TARGET","110","1.00","RDL","YES","14.6","40","40","0.500",
"1715783-BLK1","SW846 6010C","RES","1715783-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",
"1715783-BLK1","SW846 6010C","RES","1715783-BLK1","ESAI","7439-95-
4","Magnesium","0.0100","mg/l","U","0.0088","MDL","TARGET","0.0200","RDL","YES",-99,"50","50","0.0
100",
"1715783-BLK1","SW846 6010C","RES","1715783-BLK1","ESAI","7440-09-
7","Potassium","0.250","mg/l","U","0.120","MDL","TARGET","1.00","RDL","YES",-99,"50","50","0.250",
"1715783-BLK1","SW846 6010C","RES","1715783-BLK1","ESAI","7440-70-
2","Calcium","0.0500","mg/l","U","0.0142","MDL","TARGET","0.200","RDL","YES",-99,"50","50","0.0500",
"1715783-BS1","SW846 6010C","RES","1715783-BS1","ESAI","7429-90-
5","Aluminum","2.62","mg/l","0.0206","MDL","TARGET","105","0.0500","RDL","YES","2.50","50","50","0.0
500",
"1715783-BS1","SW846 6010C","RES","1715783-BS1","ESAI","7439-95-
4","Magnesium","2.52","mg/l","0.0088","MDL","TARGET","101","0.0200","RDL","YES","2.50","50","50","0.

0100",
"1715783-BS1","SW846 6010C","RES","1715783-BS1","ESAI","7440-09-7","Potassium","25.2","mg/l","0.120","MDL","TARGET","101","1.00","RDL","YES","25.0","50","50","0.250",
"1715783-BS1","SW846 6010C","RES","1715783-BS1","ESAI","7440-70-2","Calcium","11.8","mg/l","0.0142","MDL","TARGET","94","0.200","RDL","YES","12.5","50","50","0.0500",
"1715783-BSD1","SW846 6010C","RES","1715783-BSD1","ESAI","7429-90-5","Aluminum","2.60","mg/l","0.0206","MDL","TARGET","104","1","0.0500","RDL","YES","2.50","50","50","0.0500",
"1715783-BSD1","SW846 6010C","RES","1715783-BSD1","ESAI","7439-95-4","Magnesium","2.57","mg/l","0.0088","MDL","TARGET","103","2","0.0200","RDL","YES","2.50","50","50",
"0.0100",
"1715783-BSD1","SW846 6010C","RES","1715783-BSD1","ESAI","7440-09-7","Potassium","25.6","mg/l","0.120","MDL","TARGET","102","2","1.00","RDL","YES","25.0","50","50","0.250",
"1715783-BSD1","SW846 6010C","RES","1715783-BSD1","ESAI","7440-70-2","Calcium","11.8","mg/l","0.0142","MDL","TARGET","94","0.3","0.200","RDL","YES","12.5","50","50","0.0500",
"1715786-BLK1","EPA 245.1/7470A","RES","1715786-BLK1","ESAI","7439-97-6","Mercury","0.00020","mg/l","U","0.00013","MDL","TARGET","0.00020","RDL","YES","-99","20","20","0.00020",
"1715786-BS1","EPA 245.1/7470A","RES","1715786-BS1","ESAI","7439-97-6","Mercury","0.00465","mg/l","0.00013","MDL","TARGET","93","0.00020","RDL","YES","0.00500","20","20",
"0.00020",
"1716143-BLK1","SW846 6010C","RES","1716143-BLK1","ESAI","7439-89-6","Iron","0.0091","mg/l","J","0.0089","MDL","TARGET","0.0800","RDL","YES","-99","50","50","0.0300",
"1716143-BLK1","SW846 6010C","RES","1716143-BLK1","ESAI","7440-23-5","Sodium","0.250","mg/l","U","0.0785","MDL","TARGET","0.500","RDL","YES","-99","50","50","0.250",
"1716143-BS1","SW846 6010C","RES","1716143-BS1","ESAI","7439-89-6","Iron","2.70","mg/l","0.0089","MDL","TARGET","108","0.0800","RDL","YES","2.50","50","50","0.0300",
"1716143-BS1","SW846 6010C","RES","1716143-BS1","ESAI","7440-23-5","Sodium","11.7","mg/l","0.0785","MDL","TARGET","94","0.500","RDL","YES","12.5","50","50","0.250",
"1716143-BSD1","SW846 6010C","RES","1716143-BSD1","ESAI","7439-89-6","Iron","2.77","mg/l","0.0089","MDL","TARGET","111","2","0.0800","RDL","YES","2.50","50","50","0.0300",
"1716143-BSD1","SW846 6010C","RES","1716143-BSD1","ESAI","7440-23-5","Sodium","12.5","mg/l","0.0785","MDL","TARGET","100","7","0.500","RDL","YES","12.5","50","50","0.250",
"TF1-DUP-02-083117","EPA 200/6000 methods","RES","SC38778-03","ESAI","NA","Preservation","0","N/A","-99","NA","TARGET","-99","NA","YES","-99","1","1","-99","Field Preserved; pH<2 confirmed",
"TF1-DUP-02-083117","EPA 245.1/7470A","RES","SC38778-03","ESAI","7439-97-6","Mercury","0.00020","mg/l","U","0.00013","MDL","TARGET","0.00020","RDL","YES","-99","20","20","0.00020",
"TF1-DUP-02-083117","EPA 300.0","RES","SC38778-03","ESAI","14797-55-8","Nitrate as N","0.100","mg/l","U","0.009","MDL","TARGET","0.100","RDL","YES","-99","5","5","0.100",
"TF1-DUP-02-083117","EPA 300.0","RES","SC38778-03","ESAI","14808-79-8","Sulfate as SO4","3.03","mg/l","0.307","MDL","TARGET","1.00","RDL","YES","-99","5","5","1.00",
"TF1-DUP-02-083117","EPA 300.0","RES","SC38778-03","ESAI","16887-00-6","Chloride","31.4","mg/l","0.0897","MDL","TARGET","1.00","RDL","YES","-99","5","5","0.100",
"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","1763-23-1","Perfluorooctanesulfonate","20","ng/l","2","MDL","TARGET","6","RDL","YES","-99","-99",
"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","1763-23-1L","13C8-PFOS","37","ng/l","-99","NA","SUR","78","-99","NA","YES","48","-99",
"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","2058-94-8","Perfluoroundecanoic acid","0","ng/l","1","MDL","TARGET","3","RDL","YES","-99","-99","<",
"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","2058-94-8L","13C7-PFUnDA","28","ng/l","-99","NA","SUR","56","-99","NA","YES","50","-99",

"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","2706-90-3","Perfluoropentanoic Acid","100","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99",
"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","2706-90-3L","13C5-PFPeA","46","ng/l","-99","NA","SUR","91","-99","NA","YES","50","-99",
"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","307-24-4","Perfluorohexanoic acid","130","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99",
"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","307-24-4L","13C5-PFHxA","30","ng/l","-99","NA","SUR","60","-99","NA","YES","50","-99",
"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","307-55-1","Perfluorododecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<",
"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","307-55-1L","13C2-PFDoDA","21","ng/l","-99","NA","SUR","42","-99","NA","YES","50","-99",
"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","335-67-1","Perfluorooctanoic acid","82","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99",
"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","335-67-1L","13C8-PFOA","33","ng/l","-99","NA","SUR","66","-99","NA","YES","50","-99",
"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","335-76-2","Perfluorodecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<",
"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","335-76-2L","13C6-PFDA","34","ng/l","-99","NA","SUR","68","-99","NA","YES","50","-99",
"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","335-77-3","Perfluorodecanesulfonate","0","ng/l","2","MDL","TARGET","6","RDL","YES","-99","-99","<",
"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","355-46-4","Perfluorohexanesulfonate","95","ng/l","1","MDL","TARGET","3","RDL","YES","-99","-99",
"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","355-46-4L","13C3-PFHxS","26","ng/l","-99","NA","SUR","55","-99","NA","YES","47","-99",
"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","375-22-4","Perfluorobutanoic Acid","45","ng/l","3","MDL","TARGET","10","RDL","YES","-99","-99",
"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","375-22-4L","13C4-PFBA","36","ng/l","-99","NA","SUR","72","-99","NA","YES","50","-99",
"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","375-73-5","Perfluorobutanesulfonate","23","ng/l","0.8","MDL","TARGET","3","RDL","YES","-99","-99",
"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","375-73-5L","13C3-PFBS","45","ng/l","-99","NA","SUR","97","-99","NA","YES","47","-99",
"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","375-85-9","Perfluoroheptanoic acid","29","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99",
"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","375-85-9L","13C4-PFHpA","32","ng/l","-99","NA","SUR","64","-99","NA","YES","50","-99",
"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","375-92-8","Perfluoroheptanesulfonate","0","ng/l","2","MDL","TARGET","6","RDL","YES","-99","-99","<",
"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","375-95-1","Perfluorononanoic acid","2","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99",
"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","375-95-1L","13C9-PFNA","43","ng/l","-99","NA","SUR","86","-99","NA","YES","50","-99",
"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","376-06-7","Perfluorotetradecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<",
"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","376-06-7L","13C2-PFTeDA","18","ng/l","-99","NA","SUR","35","-99","NA","YES","50","-99",
"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","72629-94-8","Perfluorotridecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<",
"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","754-91-6","PFOSA","0","ng/l","3","MDL","TARGET","9","RDL","YES","-99","-99","<",
"TF1-DUP-02-083117","EPA 537 Modified","RES","SC38778-03","ESAI","754-91-6L","13C8-PFOA","13","ng/l","-99","NA","SUR","27","-99","NA","YES","50","-99",
"TF1-DUP-02-083117","Mod EPA 3C/SOP RSK-175","RES","SC38778-03","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-02-083117","Mod EPA 3C/SOP RSK-175","RES","SC38778-03","ESAI","74-84-

0","Ethane","5.00","g/l","U","3.48","MDL","TARGET","5.00","RDL","YES","-99","10","10","5.00",
"TF1-DUP-02-083117","SM18-22 5210B","RES","SC38778-03","ESAI","NA","Biochemical Oxygen Demand (5-
day)","8.00","mg/l","BOD4","2.74","MDL","TARGET","3.00","RDL","YES","-99","300","300","2.97",
"TF1-DUP-02-083117","SM2320B (97, 11)","RES","SC38778-03","ESAI","NA","Total Alkalinity","47.9","mg/l
CaCO3","0.524","MDL","TARGET","2.00","RDL","YES","-99","100","50","1.50",
"TF1-DUP-02-083117","SM5310B (00, 11)","RES","SC38778-03","ESAI","NA","Total Organic
Carbon","2.24","mg/l","0.238","MDL","TARGET","1.00","RDL","YES","-99","40","40","0.500",
"TF1-DUP-02-083117","SW846 6010C","RES","SC38778-03","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-DUP-02-083117","SW846 6010C","RES","SC38778-03","ESAI","7439-89-
6","Iron","14.3","mg/l","R06","0.0089","MDL","TARGET","0.0800","RDL","YES","-99","50","50","0.0300",
"TF1-DUP-02-083117","SW846 6010C","RES","SC38778-03","ESAI","7439-95-
4","Magnesium","6.97","mg/l","0.0088","MDL","TARGET","0.0200","RDL","YES","-99","50","50","0.0100",
"TF1-DUP-02-083117","SW846 6010C","RES","SC38778-03","ESAI","7440-09-
7","Potassium","1.09","mg/l","0.120","MDL","TARGET","1.00","RDL","YES","-99","50","50","0.250",
"TF1-DUP-02-083117","SW846 6010C","RES","SC38778-03","ESAI","7440-23-
5","Sodium","16.8","mg/l","0.0785","MDL","TARGET","0.500","RDL","YES","-99","50","50","0.250",
"TF1-DUP-02-083117","SW846 6010C","RES","SC38778-03","ESAI","7440-70-
2","Calcium","7.82","mg/l","0.0142","MDL","TARGET","0.200","RDL","YES","-99","50","50","0.0500",
"TF1-DUP-02-083117","SW846 6020A","RES","SC38778-03","ESAI","7439-92-
1","Lead","0","mg/l","0.00011","MDL","TARGET","0.0020","RDL","YES","-99","-99","<"
"TF1-DUP-02-083117","SW846 6020A","RES","SC38778-03","ESAI","7439-96-
5","Manganese","3.37","mg/l","0.00090","MDL","TARGET","0.0040","RDL","YES","-99","-99",
"TF1-DUP-02-083117","SW846 6020A","RES","SC38778-03","ESAI","7439-98-
7","Molybdenum","0","mg/l","0.00025","MDL","TARGET","0.0010","RDL","YES","-99","-99","<"
"TF1-DUP-02-083117","SW846 6020A","RES","SC38778-03","ESAI","7440-02-
0","Nickel","0.0102","mg/l","0.0010","MDL","TARGET","0.0040","RDL","YES","-99","-99",
"TF1-DUP-02-083117","SW846 6020A","RES","SC38778-03","ESAI","7440-22-
4","Silver","0","mg/l","0.00015","MDL","TARGET","0.0010","RDL","YES","-99","-99","<"
"TF1-DUP-02-083117","SW846 6020A","RES","SC38778-03","ESAI","7440-28-
0","Thallium","0","mg/l","0.00012","MDL","TARGET","0.0010","RDL","YES","-99","-99","<"
"TF1-DUP-02-083117","SW846 6020A","RES","SC38778-03","ESAI","7440-36-
0","Antimony","0","mg/l","0.00045","MDL","TARGET","0.0020","RDL","YES","-99","-99","<"
"TF1-DUP-02-083117","SW846 6020A","RES","SC38778-03","ESAI","7440-38-
2","Arsenic","0.0288","mg/l","0.00072","MDL","TARGET","0.0040","RDL","YES","-99","-99",
"TF1-DUP-02-083117","SW846 6020A","RES","SC38778-03","ESAI","7440-39-
3","Barium","0.0052","mg/l","0.00072","MDL","TARGET","0.0040","RDL","YES","-99","-99",
"TF1-DUP-02-083117","SW846 6020A","RES","SC38778-03","ESAI","7440-41-
7","Beryllium","0","mg/l","0.000071","MDL","TARGET","0.0010","RDL","YES","-99","-99","<"
"TF1-DUP-02-083117","SW846 6020A","RES","SC38778-03","ESAI","7440-43-
9","Cadmium","0","mg/l","0.00015","MDL","TARGET","0.0010","RDL","YES","-99","-99","<"
"TF1-DUP-02-083117","SW846 6020A","RES","SC38778-03","ESAI","7440-47-
3","Chromium","0","mg/l","0.00087","MDL","TARGET","0.0040","RDL","YES","-99","-99","<"
"TF1-DUP-02-083117","SW846 6020A","RES","SC38778-03","ESAI","7440-48-
4","Cobalt","0.0135","mg/l","0.00016","MDL","TARGET","0.0010","RDL","YES","-99","-99",
"TF1-DUP-02-083117","SW846 6020A","RES","SC38778-03","ESAI","7440-50-
8","Copper","0","mg/l","0.00054","MDL","TARGET","0.0040","RDL","YES","-99","-99","<"
"TF1-DUP-02-083117","SW846 6020A","RES","SC38778-03","ESAI","7440-62-
2","Vanadium","0","mg/l","0.00021","MDL","TARGET","0.0010","RDL","YES","-99","-99","<"
"TF1-DUP-02-083117","SW846 6020A","RES","SC38778-03","ESAI","7440-66-
6","Zinc","0.0080","mg/l","Ja","0.0039","MDL","TARGET","0.0300","RDL","YES","-99","-99",
"TF1-DUP-02-083117","SW846 6020A","RES","SC38778-03","ESAI","7782-49-
2","Selenium","0","mg/l","0.00050","MDL","TARGET","0.0040","RDL","YES","-99","-99","<"
"TF1-DUP-02-083117","SW-846 8015B","RES","SC38778-03","ESAI","108-90-
7","Chlorobenzene","0.010","mg/l","-99","NA","SUR","84","-99","NA","YES","0.012","-99",
"TF1-DUP-02-083117","SW-846 8015B","RES","SC38778-03","ESAI","84-15-

1","Orthoterphenyl","0.012","mg/l","-99","NA","SUR","99","-99","NA","YES","0.012","-99",
"TF1-DUP-02-083117","SW-846 8015B","RES","SC38778-03","ESAI","PHCC8C44","C8-
C44","0.44","mg/l","0.051","MDL","TARGET","0.21","RDL","YES","-99","-99",
"TF1-DUP-02-083117","SW-846 8015B","RES","SC38778-03","ESAI","PHCE","Total
TPH","0.44","mg/l","0.051","MDL","TARGET","0.21","RDL","YES","-99","-99",
"TF1-DUP-02-083117","SW846 8081B","RES","SC38778-03","ESAI","1024-57-3","Heptachlor
epoxide","0.020","g/l","U","0.015","MDL","TARGET","0.020","RDL","YES","-99","1020","10","0.020",
"TF1-DUP-02-083117","SW846 8081B","RES","SC38778-03","ESAI","1031-07-8","Endosulfan
sulfate","0.020","g/l","U","0.019","MDL","TARGET","0.039","RDL","YES","-99","1020","10","0.020",
"TF1-DUP-02-083117","SW846 8081B","RES","SC38778-03","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl
(Sr)","0.291","g/l","-99","NA","SUR","148","-99","NA","YES","0.196","1020","10","-99",
"TF1-DUP-02-083117","SW846 8081B","RES","SC38778-03","ESAI","15972-60-
8","Alachlor","0.020","g/l","U","0.019","MDL","TARGET","0.020","RDL","YES","-99","1020","10","0.020",
"TF1-DUP-02-083117","SW846 8081B","RES","SC38778-03","ESAI","2051-24-3","Decachlorobiphenyl
(Sr)","0.170","g/l","-99","NA","SUR","87","-99","NA","YES","0.196","1020","10","-99",
"TF1-DUP-02-083117","SW846 8081B","RES","SC38778-03","ESAI","309-00-
2","Aldrin","0.020","g/l","U","0.015","MDL","TARGET","0.020","RDL","YES","-99","1020","10","0.020",
"TF1-DUP-02-083117","SW846 8081B","RES","SC38778-03","ESAI","319-84-6","alpha-
BHC","0.020","g/l","U","0.011","MDL","TARGET","0.020","RDL","YES","-99","1020","10","0.020",
"TF1-DUP-02-083117","SW846 8081B","RES","SC38778-03","ESAI","319-85-7","beta-
BHC","0.020","g/l","U","0.014","MDL","TARGET","0.020","RDL","YES","-99","1020","10","0.020",
"TF1-DUP-02-083117","SW846 8081B","RES","SC38778-03","ESAI","319-86-8","delta-
BHC","0.020","g/l","U","0.015","MDL","TARGET","0.020","RDL","YES","-99","1020","10","0.020",
"TF1-DUP-02-083117","SW846 8081B","RES","SC38778-03","ESAI","33213-65-9","Endosulfan
II","0.020","g/l","U","0.020","MDL","TARGET","0.039","RDL","YES","-99","1020","10","0.020",
"TF1-DUP-02-083117","SW846 8081B","RES","SC38778-03","ESAI","50-29-3","4,4'-DDT
(p,p')","0.029","g/l","U","0.017","MDL","TARGET","0.039","RDL","YES","-99","1020","10","0.029",
"TF1-DUP-02-083117","SW846 8081B","RES","SC38778-03","ESAI","5103-71-9","alpha-
Chlordane","0.020","g/l","U","0.015","MDL","TARGET","0.020","RDL","YES","-99","1020","10","0.020",
"TF1-DUP-02-083117","SW846 8081B","RES","SC38778-03","ESAI","5103-74-2","Chlordane (gamma)
(trans)","0.020","g/l","U","0.016","MDL","TARGET","0.020","RDL","YES","-99","1020","10","0.020",
"TF1-DUP-02-083117","SW846 8081B","RES","SC38778-03","ESAI","53494-70-5","Endrin
ketone","0.020","g/l","U","0.017","MDL","TARGET","0.039","RDL","YES","-99","1020","10","0.020",
"TF1-DUP-02-083117","SW846 8081B","RES","SC38778-03","ESAI","57-74-
9","Chlordane","0.064","g/l","U","0.050","MDL","TARGET","0.064","RDL","YES","-99","1020","10","0.064",
"TF1-DUP-02-083117","SW846 8081B","RES","SC38778-03","ESAI","58-89-9","gamma-BHC
(Lindane)","0.020","g/l","U","0.017","MDL","TARGET","0.020","RDL","YES","-99","1020","10","0.020",
"TF1-DUP-02-083117","SW846 8081B","RES","SC38778-03","ESAI","60-57-
1","Dieldrin","0.020","g/l","U","0.017","MDL","TARGET","0.020","RDL","YES","-99","1020","10","0.020",
"TF1-DUP-02-083117","SW846 8081B","RES","SC38778-03","ESAI","72-20-
8","Endrin","0.020","g/l","U","0.019","MDL","TARGET","0.039","RDL","YES","-99","1020","10","0.020",
"TF1-DUP-02-083117","SW846 8081B","RES","SC38778-03","ESAI","72-43-
5","Methoxychlor","0.020","g/l","U","0.018","MDL","TARGET","0.039","RDL","YES","-99","1020","10","0.020",
"TF1-DUP-02-083117","SW846 8081B","RES","SC38778-03","ESAI","72-54-8","4,4'-DDD
(p,p')","0.020","g/l","U","0.018","MDL","TARGET","0.039","RDL","YES","-99","1020","10","0.020",
"TF1-DUP-02-083117","SW846 8081B","RES","SC38778-03","ESAI","72-55-9","4,4'-DDE
(p,p')","0.020","g/l","U","0.017","MDL","TARGET","0.020","RDL","YES","-99","1020","10","0.020",
"TF1-DUP-02-083117","SW846 8081B","RES","SC38778-03","ESAI","7421-93-4","Endrin
aldehyde","0.020","g/l","U","0.019","MDL","TARGET","0.039","RDL","YES","-99","1020","10","0.020",
"TF1-DUP-02-083117","SW846 8081B","RES","SC38778-03","ESAI","76-44-
8","Heptachlor","0.020","g/l","U","0.019","MDL","TARGET","0.020","RDL","YES","-99","1020","10","0.020",
"TF1-DUP-02-083117","SW846 8081B","RES","SC38778-03","ESAI","8001-35-
2","Toxaphene","0.490","g/l","U","0.322","MDL","TARGET","0.490","RDL","YES","-99","1020","10","0.490",
"

"TF1-DUP-02-083117","SW846 8081B","RES","SC38778-03","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS)","0.020","g/ml","-99","NA","ISTD","109","-99","NA","YES","10.0","1020","10","-99",
"TF1-DUP-02-083117","SW846 8081B","RES","SC38778-03","ESAI","959-98-8","Endosulfan I","0.020","g/l","U","0.016","MDL","TARGET","0.020","RDL","YES","-99","1020","10","0.020",
"TF1-DUP-02-083117","SW846 8082A","RES","SC38778-03","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl (Sr)","0.206","g/l","-99","NA","SUR","105","-99","NA","YES","0.196","1020","10","-99",
"TF1-DUP-02-083117","SW846 8082A","RES","SC38778-03","ESAI","11096-82-5","Aroclor-1260","0.196","g/l","U","0.0834","MDL","TARGET","0.196","RDL","YES","-99","1020","10","0.196",
"TF1-DUP-02-083117","SW846 8082A","RES","SC38778-03","ESAI","11097-69-1","Aroclor-1254","0.196","g/l","U","0.114","MDL","TARGET","0.196","RDL","YES","-99","1020","10","0.196",
"TF1-DUP-02-083117","SW846 8082A","RES","SC38778-03","ESAI","11100-14-4","Aroclor-1268","0.196","g/l","U","0.0897","MDL","TARGET","0.196","RDL","YES","-99","1020","10","0.196",
"TF1-DUP-02-083117","SW846 8082A","RES","SC38778-03","ESAI","11104-28-2","Aroclor-1221","0.196","g/l","U","0.113","MDL","TARGET","0.196","RDL","YES","-99","1020","10","0.196",
"TF1-DUP-02-083117","SW846 8082A","RES","SC38778-03","ESAI","11141-16-5","Aroclor-1232","0.196","g/l","U","0.109","MDL","TARGET","0.196","RDL","YES","-99","1020","10","0.196",
"TF1-DUP-02-083117","SW846 8082A","RES","SC38778-03","ESAI","12672-29-6","Aroclor-1248","0.196","g/l","U","0.133","MDL","TARGET","0.196","RDL","YES","-99","1020","10","0.196",
"TF1-DUP-02-083117","SW846 8082A","RES","SC38778-03","ESAI","12674-11-2","Aroclor-1016","0.196","g/l","U","0.102","MDL","TARGET","0.196","RDL","YES","-99","1020","10","0.196",
"TF1-DUP-02-083117","SW846 8082A","RES","SC38778-03","ESAI","2051-24-3","Decachlorobiphenyl (Sr)","0.186","g/l","-99","NA","SUR","95","-99","NA","YES","0.196","1020","10","-99",
"TF1-DUP-02-083117","SW846 8082A","RES","SC38778-03","ESAI","37324-23-5","Aroclor-1262","0.196","g/l","U","0.0878","MDL","TARGET","0.196","RDL","YES","-99","1020","10","0.196",
"TF1-DUP-02-083117","SW846 8082A","RES","SC38778-03","ESAI","53469-21-9","Aroclor-1242","0.196","g/l","U","0.105","MDL","TARGET","0.196","RDL","YES","-99","1020","10","0.196",
"TF1-DUP-02-083117","SW846 8082A","RES","SC38778-03","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS)","0.0200","g/ml","-99","NA","ISTD","95","-99","NA","YES","10.0","1020","10","-99",
"TF1-DUP-02-083117","SW846 8260C","RES","SC38778-03","ESAI","100-41-4","Ethylbenzene","0.5","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-DUP-02-083117","SW846 8260C","RES","SC38778-03","ESAI","100-42-5","Styrene","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","ESAI","108-87-2","Methylcyclohexane","2.0","g/l","U","0.7","MDL","TARGET","5.0","RDL","YES","-99","5","5","2.0",
"TF1-DUP-02-083117","SW846 8260C","RES","SC38778-03","ESAI","108-88-3","Toluene","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-DUP-02-083117","SW846 8260C","RES","SC38778-03","ESAI","108-90-7","Chlorobenzene","0.5","g/l","U","0.2","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-DUP-02-083117","SW846 8260C","RES","SC38778-03","ESAI","110-82-7","Cyclohexane","2.0","g/l","U","0.8","MDL","TARGET","5.0","RDL","YES","-99","5","5","2.0",
"TF1-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","ESAI","124-48-1","Dibromochloromethane","0.5","g/l","U","0.3","MDL","TARGET","0.5","RDL","YES","-99","5","5","0.5",
"TF1-DUP-02-083117","SW846 8260C","RES","SC38778-03","ESAI","127-18-

4","Tetrachloroethene","1.0","g/l","U","0.6","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","ESAI","17060-07-0","1,2-Dichloroethane-
d4","51.0","g/l","-99","NA","SUR","102","-99","NA","YES","50.0","5","5","-99",
"TF1-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","ESAI","1868-53-
7","Dibromofluoromethane","50.8","g/l","-99","NA","SUR","102","-99","NA","YES","50.0","5","5","-99",
"TF1-DUP-02-083117","SW846 8260C","RES","SC38778-03","ESAI","2037-26-5","Toluene-
d8","49.2","g/l","-99","NA","SUR","98","-99","NA","YES","50.0","5","5","-99",
"TF1-DUP-02-083117","SW846 8260C","RES","SC38778-03","ESAI","3114-55-4","Chlorobenzene-
d5","50.0","g/l","-99","NA","ISTD","99","-99","NA","YES","50.0","5","5","-99",
"TF1-DUP-02-083117","SW846 8260C","RES","SC38778-03","ESAI","3855-82-1","1,4-Dichlorobenzene-
d4","50.0","g/l","-99","NA","ISTD","99","-99","NA","YES","50.0","5","5","-99",
"TF1-DUP-02-083117","SW846 8260C","RES","SC38778-03","ESAI","460-00-4","4-
Bromofluorobenzene","51.0","g/l","-99","NA","SUR","102","-99","NA","YES","50.0","5","5","-99",
"TF1-DUP-02-083117","SW846 8260C","RES","SC38778-03","ESAI","462-06-
6","Fluorobenzene","50.0","g/l","-99","NA","ISTD","102","-99","NA","YES","50.0","5","5","-99",
"TF1-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","ESAI","67-64-
1","Acetone","2.0","g/l","U","0.8","MDL","TARGET","10.0","RDL","YES","-99","5","5","2.0",
"TF1-DUP-02-083117","SW846 8260C","RES","SC38778-03","ESAI","67-66-
3","Chloroform","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-DUP-02-083117","SW846 8260C","RES","SC38778-03","ESAI","71-43-
2","Benzene","0.5","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","ESAI","74-83-
9","Bromomethane","2.0","g/l","U","0.9","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-DUP-02-083117","SW846 8260C","RES","SC38778-03","ESAI","74-87-
3","Chloromethane","1.0","g/l","U","0.4","MDL","TARGET","2.0","RDL","YES","-99","5","5","1.0",
"TF1-DUP-02-083117","SW846 8260C","RES","SC38778-03","ESAI","74-97-
5","Bromochloromethane","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-DUP-02-083117","SW846 8260C","RES","SC38778-03","ESAI","75-00-
3","Chloroethane","2.0","g/l","U","0.6","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","ESAI","75-25-
2","Bromoform","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-DUP-02-083117","SW846 8260C","RES","SC38778-03","ESAI","75-27-
4","Bromodichloromethane","0.5","g/l","U","0.4","MDL","TARGET","0.5","RDL","YES","-99","5","5","0.5",
"TF1-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","ESAI","79-01-6","Trichloroethene","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",

"TF1-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","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-DUP-02-083117","SW846 8260C","RES","SC38778-03","ESAI","98-82-8","Isopropylbenzene","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",

"TF1-DUP-02-083117","SW846 8270D","RES","SC38778-03","ESAI","1146-65-2","Naphthalene-d8","40.0","g/ml","-99","NA","ISTD","143","-99","NA","YES","40.0","1030","1","-99",

"TF1-DUP-02-083117","SW846 8270D","RES","SC38778-03","ESAI","120-12-7","Anthracene","0.971","g/l","U","0.590","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-DUP-02-083117","SW846 8270D","RES","SC38778-03","ESAI","129-00-0","Pyrene","0.971","g/l","U","0.592","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-DUP-02-083117","SW846 8270D","RES","SC38778-03","ESAI","15067-26-2","Acenaphthene-d10","40.0","g/ml","-99","NA","ISTD","160","-99","NA","YES","40.0","1030","1","-99",

"TF1-DUP-02-083117","SW846 8270D","RES","SC38778-03","ESAI","1517-22-2","Phenanthrene-d10","40.0","g/ml","-99","NA","ISTD","150","-99","NA","YES","40.0","1030","1","-99",

"TF1-DUP-02-083117","SW846 8270D","RES","SC38778-03","ESAI","1520-96-3","Perylene-d12","40.0","g/ml","-99","NA","ISTD","157","-99","NA","YES","40.0","1030","1","-99",

"TF1-DUP-02-083117","SW846 8270D","RES","SC38778-03","ESAI","1718-51-0","Terphenyl-d14","43.5","g/l","-99","NA","SUR","90","-99","NA","YES","48.5","1030","1","-99",

"TF1-DUP-02-083117","SW846 8270D","RES","SC38778-03","ESAI","1719-03-5","Chrysene-d12","40.0","g/ml","-99","NA","ISTD","139","-99","NA","YES","40.0","1030","1","-99",

"TF1-DUP-02-083117","SW846 8270D","RES","SC38778-03","ESAI","191-24-2","Benzo (g,h,i) perylene","0.971","g/l","U","0.515","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-DUP-02-083117","SW846 8270D","RES","SC38778-03","ESAI","193-39-5","Indeno (1,2,3-cd) pyrene","0.971","g/l","U","0.563","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-DUP-02-083117","SW846 8270D","RES","SC38778-03","ESAI","205-99-2","Benzo (b) fluoranthene","0.971","g/l","U","0.424","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-DUP-02-083117","SW846 8270D","RES","SC38778-03","ESAI","206-44-0","Fluoranthene","0.971","g/l","U","0.619","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-DUP-02-083117","SW846 8270D","RES","SC38778-03","ESAI","207-08-9","Benzo (k)

fluoranthene","0.971","g/l","U","0.466","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-DUP-02-083117","SW846 8270D","RES","SC38778-03","ESAI","208-96-
8","Acenaphthylene","0.971","g/l","U","0.663","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-DUP-02-083117","SW846 8270D","RES","SC38778-03","ESAI","218-01-
9","Chrysene","0.971","g/l","U","0.517","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-DUP-02-083117","SW846 8270D","RES","SC38778-03","ESAI","321-60-8","2-
Fluorobiphenyl","33.1","g/l","-99","NA","SUR","68","-99","NA","YES","48.5","1030","1","-99",
"TF1-DUP-02-083117","SW846 8270D","RES","SC38778-03","ESAI","4165-60-0","Nitrobenzene-
d5","37.0","g/l","-99","NA","SUR","76","-99","NA","YES","48.5","1030","1","-99",
"TF1-DUP-02-083117","SW846 8270D","RES","SC38778-03","ESAI","50-32-8","Benzo (a)
pyrene","0.971","g/l","U","0.546","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-DUP-02-083117","SW846 8270D","RES","SC38778-03","ESAI","53-70-3","Dibenzo (a,h)
anthracene","0.971","g/l","U","0.437","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-DUP-02-083117","SW846 8270D","RES","SC38778-03","ESAI","56-55-3","Benzo (a)
anthracene","0.971","g/l","U","0.520","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-DUP-02-083117","SW846 8270D","RES","SC38778-03","ESAI","83-32-
9","Acenaphthene","0.971","g/l","U","0.671","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-DUP-02-083117","SW846 8270D","RES","SC38778-03","ESAI","85-01-
8","Phenanthrene","0.971","g/l","U","0.569","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-DUP-02-083117","SW846 8270D","RES","SC38778-03","ESAI","86-73-
7","Fluorene","0.971","g/l","U","0.594","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-DUP-02-083117","SW846 8270D","RES","SC38778-03","ESAI","90-12-0","1-
Methylnaphthalene","0.971","g/l","U","0.712","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-DUP-02-083117","SW846 8270D","RES","SC38778-03","ESAI","91-20-
3","Naphthalene","0.971","g/l","U","0.665","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-DUP-02-083117","SW846 8270D","RES","SC38778-03","ESAI","91-57-6","2-
Methylnaphthalene","0.971","g/l","U","0.557","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-DUP-02-083117DUP","SW846 6010C","RES","1715783-DUP1","ESAI","7429-90-
5","Aluminum","0.0500","mg/l","U","0.0206","MDL","TARGET","0.0500","RDL","YES","-99","TF1-DUP-02-
083117","50","50","0.0500",
"TF1-DUP-02-083117DUP","SW846 6010C","RES","1715783-DUP1","ESAI","7439-95-
4","Magnesium","6.90","mg/l","0.0088","MDL","TARGET","1","0.0200","RDL","YES","-99","TF1-DUP-02-
083117","50","50","0.0100",
"TF1-DUP-02-083117DUP","SW846 6010C","RES","1715783-DUP1","ESAI","7440-09-
7","Potassium","1.09","mg/l","0.120","MDL","TARGET","0.4","1.00","RDL","YES","-99","TF1-DUP-02-
083117","50","50","0.250",
"TF1-DUP-02-083117DUP","SW846 6010C","RES","1715783-DUP1","ESAI","7440-70-
2","Calcium","7.62","mg/l","0.0142","MDL","TARGET","3","0.200","RDL","YES","-99","TF1-DUP-02-
083117","50","50","0.0500",
"TF1-DUP-02-083117DUP","SW846 6010C","RES","1716143-DUP1","ESAI","7439-89-
6","Iron","14.0","mg/l","0.0089","MDL","TARGET","2","0.0800","RDL","YES","-99","TF1-DUP-02-
083117","50","50","0.0300",
"TF1-DUP-02-083117DUP","SW846 6010C","RES","1716143-DUP1","ESAI","7440-23-
5","Sodium","16.4","mg/l","0.0785","MDL","TARGET","3","0.500","RDL","YES","-99","TF1-DUP-02-
083117","50","50","0.250",
"TF1-DUP-02-083117MS","SW846 6010C","RES","1715783-MS1","ESAI","7429-90-
5","Aluminum","2.59","mg/l","0.0206","MDL","SPIKE","104","0.0500","RDL","YES","2.50","TF1-DUP-02-
083117","50","50","0.0500",
"TF1-DUP-02-083117MS","SW846 6010C","RES","1715783-MS1","ESAI","7439-95-
4","Magnesium","9.28","mg/l","0.0088","MDL","SPIKE","93","0.0200","RDL","YES","2.50","TF1-DUP-02-
083117","50","50","0.0100",

"TF1-DUP-02-083117MS","SW846 6010C","RES","1715783-MS1","ESAI","7440-09-7","Potassium","26.1","mg/l","0.120","MDL","SPIKE","100","1.00","RDL","YES","25.0","TF1-DUP-02-083117","50","50","0.250",

"TF1-DUP-02-083117MS","SW846 6010C","RES","1715783-MS1","ESAI","7440-70-2","Calcium","19.0","mg/l","0.0142","MDL","SPIKE","89","0.200","RDL","YES","12.5","TF1-DUP-02-083117","50","50","0.0500",

"TF1-DUP-02-083117MS","SW846 6010C","RES","1716143-MS1","ESAI","7439-89-6","Iron","16.6","mg/l","0.0089","MDL","SPIKE","92","0.0800","RDL","YES","2.50","TF1-DUP-02-083117","50","50","0.0300",

"TF1-DUP-02-083117MS","SW846 6010C","RES","1716143-MS1","ESAI","7440-23-5","Sodium","28.1","mg/l","0.0785","MDL","SPIKE","90","0.500","RDL","YES","12.5","TF1-DUP-02-083117","50","50","0.250",

"TF1-DUP-02-083117MSD","SW846 6010C","RES","1715783-MSD1","ESAI","7429-90-5","Aluminum","2.60","mg/l","0.0206","MDL","SPIKE","104","0.2","0.0500","RDL","YES","2.50","TF1-DUP-02-083117","50","50","0.0500",

"TF1-DUP-02-083117MSD","SW846 6010C","RES","1715783-MSD1","ESAI","7439-95-4","Magnesium","9.26","mg/l","0.0088","MDL","SPIKE","92","0.2","0.0200","RDL","YES","2.50","TF1-DUP-02-083117","50","50","0.0100",

"TF1-DUP-02-083117MSD","SW846 6010C","RES","1715783-MSD1","ESAI","7440-09-7","Potassium","26.0","mg/l","0.120","MDL","SPIKE","100","0.5","1.00","RDL","YES","25.0","TF1-DUP-02-083117","50","50","0.250",

"TF1-DUP-02-083117MSD","SW846 6010C","RES","1715783-MSD1","ESAI","7440-70-2","Calcium","19.3","mg/l","0.0142","MDL","SPIKE","92","2","0.200","RDL","YES","12.5","TF1-DUP-02-083117","50","50","0.0500",

"TF1-DUP-02-083117MSD","SW846 6010C","RES","1716143-MSD1","ESAI","7439-89-6","Iron","16.5","mg/l","QM8","0.0089","MDL","SPIKE","86","0.9","0.0800","RDL","YES","2.50","TF1-DUP-02-083117","50","50","0.0300",

"TF1-DUP-02-083117MSD","SW846 6010C","RES","1716143-MSD1","ESAI","7440-23-5","Sodium","29.1","mg/l","0.0785","MDL","SPIKE","98","3","0.500","RDL","YES","12.5","TF1-DUP-02-083117","50","50","0.250",

"TF1-DUP-02-083117PS","SW846 6010C","RES","1715783-PS1","ESAI","7429-90-5","Aluminum","2.64","mg/l","0.0206","MDL","SPIKE","106","0.0500","RDL","YES","2.50","TF1-DUP-02-083117","50","50","0.0500",

"TF1-DUP-02-083117PS","SW846 6010C","RES","1715783-PS1","ESAI","7439-95-4","Magnesium","9.52","mg/l","0.0088","MDL","SPIKE","102","0.0200","RDL","YES","2.50","TF1-DUP-02-083117","50","50","0.0100",

"TF1-DUP-02-083117PS","SW846 6010C","RES","1715783-PS1","ESAI","7440-09-7","Potassium","26.5","mg/l","0.120","MDL","SPIKE","102","1.00","RDL","YES","25.0","TF1-DUP-02-083117","50","50","0.250",

"TF1-DUP-02-083117PS","SW846 6010C","RES","1715783-PS1","ESAI","7440-70-2","Calcium","19.8","mg/l","0.0142","MDL","SPIKE","96","0.200","RDL","YES","12.5","TF1-DUP-02-083117","50","50","0.0500",

"TF1-DUP-02-083117PS","SW846 6010C","RES","1716143-PS1","ESAI","7439-89-6","Iron","17.0","mg/l","0.0089","MDL","SPIKE","106","0.0800","RDL","YES","2.50","TF1-DUP-02-083117","50","50","0.0300",

"TF1-DUP-02-083117PS","SW846 6010C","RES","1716143-PS1","ESAI","7440-23-5","Sodium","29.0","mg/l","0.0785","MDL","SPIKE","98","0.500","RDL","YES","12.5","TF1-DUP-02-083117","50","50","0.250",

"TF1-EBP-GT124R-083117","EPA 200/6000 methods","RES","SC38778-01","ESAI","NA","Preservation","0","N/A","-99","NA","TARGET","-99","NA","YES","-99","1","1","-99","Field Preserved; pH<2 confirmed"

"TF1-EBP-GT124R-083117","EPA 245.1/7470A","RES","SC38778-01","ESAI","7439-97-6","Mercury","0.00020","mg/l","U","0.00013","MDL","TARGET","0.00020","RDL","YES","-99","20","20","0.00020",

"TF1-EBP-GT124R-083117","EPA 300.0","RES","SC38778-01","ESAI","14797-55-8","Nitrate as N","0.208","mg/l","0.009","MDL","TARGET","0.100","RDL","YES","-99","5","5","0.100",

"TF1-EBP-GT124R-083117","EPA 300.0","RES","SC38778-01","ESAI","14808-79-8","Sulfate as

SO4","14.6","mg/l","0.307","MDL","TARGET",,"1.00","RDL","YES",-99,"5","5","1.00",
"TF1-EBP-GT124R-083117","EPA 300.0","RES","SC38778-01","ESAI","16887-00-
6","Chloride","9.69","mg/l","0.0897","MDL","TARGET",,"1.00","RDL","YES",-99,"5","5","0.100",
"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","1763-23-1","Perfluoro-
octanesulfonate","0","ng/l","2","MDL","TARGET",,"6","RDL","YES",-99,"-99","<"
"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","1763-23-1L","13C8-
PFOS","33","ng/l","-99","NA","SUR","68","-99","NA","YES","48",,"-99",
"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","2058-94-
8","Perfluoroundecanoic acid","0","ng/l","1","MDL","TARGET",,"3","RDL","YES",-99,"-99","<"
"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","2058-94-8L","13C7-
PFUnDA","31","ng/l","-99","NA","SUR","63","-99","NA","YES","50",,"-99",
"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","2706-90-3","Perfluoropentanoic
Acid","16","ng/l","0.5","MDL","TARGET",,"2","RDL","YES",-99,"-99",
"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","2706-90-3L","13C5-
PFPeA","35","ng/l","-99","NA","SUR","70","-99","NA","YES","50",,"-99",
"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","307-24-4","Perfluorohexanoic
acid","15","ng/l","0.6","MDL","TARGET",,"2","RDL","YES",-99,"-99",
"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","307-24-4L","13C5-
PFHxA","38","ng/l","-99","NA","SUR","75","-99","NA","YES","50",,"-99",
"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","307-55-1","Perfluorododecanoic
acid","0","ng/l","0.5","MDL","TARGET",,"2","RDL","YES",-99,"-99","<"
"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","307-55-1L","13C2-
PFDoDA","28","ng/l","-99","NA","SUR","56","-99","NA","YES","50",,"-99",
"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","335-67-1","Perfluorooctanoic
acid","12","ng/l","0.6","MDL","TARGET",,"2","RDL","YES",-99,"-99",
"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","335-67-1L","13C8-
PFOA","36","ng/l","-99","NA","SUR","73","-99","NA","YES","50",,"-99",
"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","335-76-2","Perfluorodecanoic
acid","0","ng/l","0.5","MDL","TARGET",,"2","RDL","YES",-99,"-99","<"
"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","335-76-2L","13C6-
PFDA","36","ng/l","-99","NA","SUR","73","-99","NA","YES","50",,"-99",
"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","335-77-
3","Perfluorodecanesulfonate","0","ng/l","2","MDL","TARGET",,"6","RDL","YES",-99,"-99","<"
"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","355-46-
4","Perfluorohexanesulfonate","19","ng/l","1","MDL","TARGET",,"3","RDL","YES",-99,"-99",
"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","355-46-4L","13C3-
PFHxS","29","ng/l","-99","NA","SUR","62","-99","NA","YES","47",,"-99",
"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","375-22-4","Perfluorobutanoic
Acid","6","ng/l","Ja","3","MDL","TARGET",,"10","RDL","YES",-99,"-99",
"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","375-22-4L","13C4-
PFBA","36","ng/l","-99","NA","SUR","72","-99","NA","YES","50",,"-99",
"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","375-73-
5","Perfluorobutanesulfonate","4","ng/l","0.8","MDL","TARGET",,"3","RDL","YES",-99,"-99",
"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","375-73-5L","13C3-
PFBS","32","ng/l","-99","NA","SUR","69","-99","NA","YES","47",,"-99",
"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","375-85-9","Perfluoroheptanoic
acid","8","ng/l","0.5","MDL","TARGET",,"2","RDL","YES",-99,"-99",
"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","375-85-9L","13C4-
PFHpA","36","ng/l","-99","NA","SUR","72","-99","NA","YES","50",,"-99",
"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","375-92-
8","Perfluoroheptanesulfonate","0","ng/l","2","MDL","TARGET",,"6","RDL","YES",-99,"-99","<"
"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","375-95-1","Perfluorononanoic
acid","0","ng/l","0.6","MDL","TARGET",,"2","RDL","YES",-99,"-99","<"
"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","375-95-1L","13C9-
PFNA","35","ng/l","-99","NA","SUR","69","-99","NA","YES","50",,"-99",
"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","376-06-
7","Perfluorotetradecanoic acid","0","ng/l","0.5","MDL","TARGET",,"2","RDL","YES",-99,"-99","<"

"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","376-06-7L","13C2-PFTeDA","22","ng/l","-99","NA","SUR","45","-99","NA","YES","50","-99",
"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","72629-94-8","Perfluorotridecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<"
"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","754-91-6","PFOSA","0","ng/l","3","MDL","TARGET","9","RDL","YES","-99","-99","<"
"TF1-EBP-GT124R-083117","EPA 537 Modified","RES","SC38778-01","ESAI","754-91-6L","13C8-PFOA","30","ng/l","-99","NA","SUR","60","-99","NA","YES","50","-99",
"TF1-EBP-GT124R-083117","Mod EPA 3C/SOP RSK-175","RES","SC38778-01","ESAI","74-82-8","Methane","2.20","g/l","U","2.16","MDL","TARGET","2.20","RDL","YES","-99","10","10","2.20",
"TF1-EBP-GT124R-083117","Mod EPA 3C/SOP RSK-175","RES","SC38778-01","ESAI","74-84-0","Ethane","5.00","g/l","U","3.48","MDL","TARGET","5.00","RDL","YES","-99","10","10","5.00",
"TF1-EBP-GT124R-083117","SM18-22 5210B","RES","SC38778-01","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-EBP-GT124R-083117","SM2320B (97, 11)","RES","SC38778-01","ESAI","NA","Total Alkalinity","2.98","mg/l CaCO3","0.524","MDL","TARGET","2.00","RDL","YES","-99","100","50","1.50",
"TF1-EBP-GT124R-083117","SM5310B (00, 11)","RES","SC38778-01","ESAI","NA","Total Organic Carbon","0.720","mg/l","J","0.238","MDL","TARGET","1.00","RDL","YES","-99","40","40","0.500",
"TF1-EBP-GT124R-083117","SW846 6010C","RES","SC38778-01","ESAI","7429-90-5","Aluminum","0.130","mg/l","0.0206","MDL","TARGET","0.0500","RDL","YES","-99","50","50","0.0500",
"TF1-EBP-GT124R-083117","SW846 6010C","RES","SC38778-01","ESAI","7439-89-6","Iron","0.527","mg/l","R06","0.0089","MDL","TARGET","0.0800","RDL","YES","-99","50","50","0.0300",
"TF1-EBP-GT124R-083117","SW846 6010C","RES","SC38778-01","ESAI","7439-95-4","Magnesium","3.46","mg/l","0.0088","MDL","TARGET","0.0200","RDL","YES","-99","50","50","0.0100",
"TF1-EBP-GT124R-083117","SW846 6010C","RES","SC38778-01","ESAI","7440-09-7","Potassium","0.905","mg/l","J","0.120","MDL","TARGET","1.00","RDL","YES","-99","50","50","0.250",
"TF1-EBP-GT124R-083117","SW846 6010C","RES","SC38778-01","ESAI","7440-23-5","Sodium","5.94","mg/l","0.0785","MDL","TARGET","0.500","RDL","YES","-99","50","50","0.250",
"TF1-EBP-GT124R-083117","SW846 6010C","RES","SC38778-01","ESAI","7440-70-2","Calcium","3.72","mg/l","0.0142","MDL","TARGET","0.200","RDL","YES","-99","50","50","0.0500",
"TF1-EBP-GT124R-083117","SW846 6020A","RES","SC38778-01","ESAI","7439-92-1","Lead","0","mg/l","0.00011","MDL","TARGET","0.0020","RDL","YES","-99","-99","<"
"TF1-EBP-GT124R-083117","SW846 6020A","RES","SC38778-01","ESAI","7439-96-5","Manganese","0.123","mg/l","0.00090","MDL","TARGET","0.0040","RDL","YES","-99","-99",
"TF1-EBP-GT124R-083117","SW846 6020A","RES","SC38778-01","ESAI","7439-98-7","Molybdenum","0","mg/l","0.00025","MDL","TARGET","0.0010","RDL","YES","-99","-99","<"
"TF1-EBP-GT124R-083117","SW846 6020A","RES","SC38778-01","ESAI","7440-02-0","Nickel","0.0154","mg/l","0.0010","MDL","TARGET","0.0040","RDL","YES","-99","-99",
"TF1-EBP-GT124R-083117","SW846 6020A","RES","SC38778-01","ESAI","7440-22-4","Silver","0","mg/l","0.00015","MDL","TARGET","0.0010","RDL","YES","-99","-99","<"
"TF1-EBP-GT124R-083117","SW846 6020A","RES","SC38778-01","ESAI","7440-28-0","Thallium","0","mg/l","0.00012","MDL","TARGET","0.0010","RDL","YES","-99","-99","<"
"TF1-EBP-GT124R-083117","SW846 6020A","RES","SC38778-01","ESAI","7440-36-0","Antimony","0","mg/l","0.00045","MDL","TARGET","0.0020","RDL","YES","-99","-99","<"
"TF1-EBP-GT124R-083117","SW846 6020A","RES","SC38778-01","ESAI","7440-38-2","Arsenic","0","mg/l","0.00072","MDL","TARGET","0.0040","RDL","YES","-99","-99","<"
"TF1-EBP-GT124R-083117","SW846 6020A","RES","SC38778-01","ESAI","7440-39-3","Barium","0.0012","mg/l","Ja","0.00072","MDL","TARGET","0.0040","RDL","YES","-99","-99",
"TF1-EBP-GT124R-083117","SW846 6020A","RES","SC38778-01","ESAI","7440-41-7","Beryllium","0","mg/l","0.000071","MDL","TARGET","0.0010","RDL","YES","-99","-99","<"
"TF1-EBP-GT124R-083117","SW846 6020A","RES","SC38778-01","ESAI","7440-43-9","Cadmium","0","mg/l","0.00015","MDL","TARGET","0.0010","RDL","YES","-99","-99","<"
"TF1-EBP-GT124R-083117","SW846 6020A","RES","SC38778-01","ESAI","7440-47-3","Chromium","0","mg/l","0.00087","MDL","TARGET","0.0040","RDL","YES","-99","-99","<"
"TF1-EBP-GT124R-083117","SW846 6020A","RES","SC38778-01","ESAI","7440-48-4","Cobalt","0.0022","mg/l","0.00016","MDL","TARGET","0.0010","RDL","YES","-99","-99",

"TF1-EBP-GT124R-083117","SW846 6020A","RES","SC38778-01","ESAI","7440-50-8","Copper","0.00099","mg/l","Ja","0.00054","MDL","TARGET","0.0040","RDL","YES","-99",,,,"-99",
"TF1-EBP-GT124R-083117","SW846 6020A","RES","SC38778-01","ESAI","7440-62-2","Vanadium","0","mg/l","0.00021","MDL","TARGET","0.0010","RDL","YES","-99",,,,"-99",,"<"
"TF1-EBP-GT124R-083117","SW846 6020A","RES","SC38778-01","ESAI","7440-66-6","Zinc","0.0087","mg/l","Ja","0.0039","MDL","TARGET","0.0300","RDL","YES","-99",,,,"-99",
"TF1-EBP-GT124R-083117","SW846 6020A","RES","SC38778-01","ESAI","7782-49-2","Selenium","0","mg/l","0.00050","MDL","TARGET","0.0040","RDL","YES","-99",,,,"-99",,"<"
"TF1-EBP-GT124R-083117","SW-846 8015B","RES","SC38778-01","ESAI","108-90-7","Chlorobenzene","0.010","mg/l","-99","NA","SUR","86","-99","NA","YES","0.012",,,,"-99",
"TF1-EBP-GT124R-083117","SW-846 8015B","RES","SC38778-01","ESAI","84-15-1","Orthoterphenyl","0.012","mg/l","-99","NA","SUR","95","-99","NA","YES","0.012",,,,"-99",
"TF1-EBP-GT124R-083117","SW-846 8015B","RES","SC38778-01","ESAI","PHCC8C44","C8-C44","0","mg/l","0.051","MDL","TARGET","0.20","RDL","YES","-99",,,,"-99",,"<"
"TF1-EBP-GT124R-083117","SW-846 8015B","RES","SC38778-01","ESAI","PHCE","Total TPH","0","mg/l","0.051","MDL","TARGET","0.20","RDL","YES","-99",,,,"-99",,"<"
"TF1-EBP-GT124R-083117","SW846 8081B","RES","SC38778-01","ESAI","1024-57-3","Heptachlor epoxide","0.019","g/l","U","0.014","MDL","TARGET","0.019","RDL","YES","-99",,"1060","10","0.019",
"TF1-EBP-GT124R-083117","SW846 8081B","RES","SC38778-01","ESAI","1031-07-8","Endosulfan sulfate","0.019","g/l","U","0.019","MDL","TARGET","0.038","RDL","YES","-99",,"1060","10","0.019",
"TF1-EBP-GT124R-083117","SW846 8081B","RES","SC38778-01","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl (Sr)","0.257","g/l","-99","NA","SUR","136","-99","NA","YES","0.189",,"1060","10","-99",
"TF1-EBP-GT124R-083117","SW846 8081B","RES","SC38778-01","ESAI","15972-60-8","Alachlor","0.019","g/l","U","0.018","MDL","TARGET","0.019","RDL","YES","-99",,"1060","10","0.019",
"TF1-EBP-GT124R-083117","SW846 8081B","RES","SC38778-01","ESAI","2051-24-3","Decachlorobiphenyl (Sr)","0.172","g/l","-99","NA","SUR","91","-99","NA","YES","0.189",,"1060","10","-99",
"TF1-EBP-GT124R-083117","SW846 8081B","RES","SC38778-01","ESAI","309-00-2","Aldrin","0.019","g/l","U","0.015","MDL","TARGET","0.019","RDL","YES","-99",,"1060","10","0.019",
"TF1-EBP-GT124R-083117","SW846 8081B","RES","SC38778-01","ESAI","319-84-6","alpha-BHC","0.019","g/l","U","0.011","MDL","TARGET","0.019","RDL","YES","-99",,"1060","10","0.019",
"TF1-EBP-GT124R-083117","SW846 8081B","RES","SC38778-01","ESAI","319-85-7","beta-BHC","0.019","g/l","U","0.014","MDL","TARGET","0.019","RDL","YES","-99",,"1060","10","0.019",
"TF1-EBP-GT124R-083117","SW846 8081B","RES","SC38778-01","ESAI","319-86-8","delta-BHC","0.019","g/l","U","0.015","MDL","TARGET","0.019","RDL","YES","-99",,"1060","10","0.019",
"TF1-EBP-GT124R-083117","SW846 8081B","RES","SC38778-01","ESAI","33213-65-9","Endosulfan II","0.019","g/l","U","0.019","MDL","TARGET","0.038","RDL","YES","-99",,"1060","10","0.019",
"TF1-EBP-GT124R-083117","SW846 8081B","RES","SC38778-01","ESAI","50-29-3","4,4'-DDT (p,p')","0.028","g/l","U","0.017","MDL","TARGET","0.038","RDL","YES","-99",,"1060","10","0.028",
"TF1-EBP-GT124R-083117","SW846 8081B","RES","SC38778-01","ESAI","5103-71-9","alpha-Chlordane","0.019","g/l","U","0.015","MDL","TARGET","0.019","RDL","YES","-99",,"1060","10","0.019",
"TF1-EBP-GT124R-083117","SW846 8081B","RES","SC38778-01","ESAI","5103-74-2","Chlordane (gamma) (trans)","0.019","g/l","U","0.015","MDL","TARGET","0.019","RDL","YES","-99",,"1060","10","0.019",
"TF1-EBP-GT124R-083117","SW846 8081B","RES","SC38778-01","ESAI","53494-70-5","Endrin ketone","0.019","g/l","U","0.016","MDL","TARGET","0.038","RDL","YES","-99",,"1060","10","0.019",
"TF1-EBP-GT124R-083117","SW846 8081B","RES","SC38778-01","ESAI","57-74-9","Chlordane","0.061","g/l","U","0.048","MDL","TARGET","0.061","RDL","YES","-99",,"1060","10","0.061",
"TF1-EBP-GT124R-083117","SW846 8081B","RES","SC38778-01","ESAI","58-89-9","gamma-BHC (Lindane)","0.019","g/l","U","0.016","MDL","TARGET","0.019","RDL","YES","-99",,"1060","10","0.019",
"TF1-EBP-GT124R-083117","SW846 8081B","RES","SC38778-01","ESAI","60-57-1","Dieldrin","0.019","g/l","U","0.016","MDL","TARGET","0.019","RDL","YES","-99",,"1060","10","0.019",
"TF1-EBP-GT124R-083117","SW846 8081B","RES","SC38778-01","ESAI","72-20-8","Endrin","0.019","g/l","U","0.018","MDL","TARGET","0.038","RDL","YES","-99",,"1060","10","0.019",
"TF1-EBP-GT124R-083117","SW846 8081B","RES","SC38778-01","ESAI","72-43-5","Methoxychlor","0.019","g/l","U","0.017","MDL","TARGET","0.038","RDL","YES","-99",,"1060","10","0.019",

"TF1-EBP-GT124R-083117","SW846 8081B","RES","SC38778-01","ESAI","72-54-8","4,4'-DDD (p,p)","0.019","g/l","U","0.018","MDL","TARGET","0.038","RDL","YES","-99","1060","10","0.019",
"TF1-EBP-GT124R-083117","SW846 8081B","RES","SC38778-01","ESAI","72-55-9","4,4'-DDE (p,p)","0.019","g/l","U","0.017","MDL","TARGET","0.019","RDL","YES","-99","1060","10","0.019",
"TF1-EBP-GT124R-083117","SW846 8081B","RES","SC38778-01","ESAI","7421-93-4","Endrin aldehyde","0.019","g/l","U","0.018","MDL","TARGET","0.038","RDL","YES","-99","1060","10","0.019",
"TF1-EBP-GT124R-083117","SW846 8081B","RES","SC38778-01","ESAI","76-44-8","Heptachlor","0.019","g/l","U","0.018","MDL","TARGET","0.019","RDL","YES","-99","1060","10","0.019",
"TF1-EBP-GT124R-083117","SW846 8081B","RES","SC38778-01","ESAI","8001-35-2","Toxaphene","0.472","g/l","U","0.309","MDL","TARGET","0.472","RDL","YES","-99","1060","10","0.472",
"TF1-EBP-GT124R-083117","SW846 8081B","RES","SC38778-01","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS)","0.020","g/ml","-99","NA","ISTD","75","-99","NA","YES","10.0","1060","10","-99",
"TF1-EBP-GT124R-083117","SW846 8081B","RES","SC38778-01","ESAI","959-98-8","Endosulfan I","0.019","g/l","U","0.015","MDL","TARGET","0.019","RDL","YES","-99","1060","10","0.019",
"TF1-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","ESAI","100-41-4","Ethylbenzene","0.5","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","ESAI","100-42-5","Styrene","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","ESAI","108-87-2","Methylcyclohexane","2.0","g/l","U","0.7","MDL","TARGET","5.0","RDL","YES","-99","5","5","2.0",
"TF1-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","ESAI","108-88-3","Toluene","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","ESAI","108-90-7","Chlorobenzene","0.5","g/l","U","0.2","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","ESAI","110-82-7","Cyclohexane","2.0","g/l","U","0.8","MDL","TARGET","5.0","RDL","YES","-99","5","5","2.0",
"TF1-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","ESAI","124-48-1","Dibromochloromethane","0.5","g/l","U","0.3","MDL","TARGET","0.5","RDL","YES","-99","5","5","0.5",
"TF1-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","ESAI","127-18-4","Tetrachloroethene","1.0","g/l","U","0.6","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","ESAI","17060-07-0","1,2-Dichloroethane-d4","51.8","g/l","-99","NA","SUR","104","-99","NA","YES","50.0","5","5","-99",
"TF1-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","ESAI","1868-53-

7","Dibromofluoromethane","49.5","g/l","-99","NA","SUR","99","-99","NA","YES","50.0","5","5","-99",
"TF1-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","ESAI","2037-26-5","Toluene-
d8","48.0","g/l","-99","NA","SUR","96","-99","NA","YES","50.0","5","5","-99",
"TF1-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","ESAI","3114-55-4","Chlorobenzene-
d5","50.0","g/l","-99","NA","ISTD","100","-99","NA","YES","50.0","5","5","-99",
"TF1-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","ESAI","3855-82-1","1,4-Dichlorobenzene-
d4","50.0","g/l","-99","NA","ISTD","97","-99","NA","YES","50.0","5","5","-99",
"TF1-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","ESAI","460-00-4","4-
Bromofluorobenzene","48.8","g/l","-99","NA","SUR","98","-99","NA","YES","50.0","5","5","-99",
"TF1-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","ESAI","462-06-
6","Fluorobenzene","50.0","g/l","-99","NA","ISTD","103","-99","NA","YES","50.0","5","5","-99",
"TF1-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","ESAI","67-64-
1","Acetone","2.0","g/l","U","0.8","MDL","TARGET","10.0","RDL","YES","-99","5","5","2.0",
"TF1-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","ESAI","67-66-
3","Chloroform","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","ESAI","71-43-
2","Benzene","0.5","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","ESAI","74-83-
9","Bromomethane","2.0","g/l","U","0.9","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","ESAI","74-87-
3","Chloromethane","1.0","g/l","U","0.4","MDL","TARGET","2.0","RDL","YES","-99","5","5","1.0",
"TF1-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","ESAI","74-97-
5","Bromochloromethane","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","ESAI","75-00-
3","Chloroethane","2.0","g/l","U","0.6","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","ESAI","75-25-
2","Bromoform","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","ESAI","75-27-
4","Bromodichloromethane","0.5","g/l","U","0.4","MDL","TARGET","0.5","RDL","YES","-99","5","5","0.5",
"TF1-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","ESAI","79-01-
6","Trichloroethene","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES",-99,"5","5","1.0",
"TF1-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8260C","RES","SC38778-01","ESAI","98-82-
8","Isopropylbenzene","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES",-99,"5","5","1.0",
"TF1-EBP-GT124R-083117","SW846 8270D","RES","SC38778-01","ESAI","1146-65-2","Naphthalene-
d8","40.0","g/ml",-99,"NA","ISTD","160",-99,"NA","YES","40.0","1040","1",-99",
"TF1-EBP-GT124R-083117","SW846 8270D","RES","SC38778-01","ESAI","120-12-
7","Anthracene","0.962","g/l","U","0.585","MDL","TARGET","4.81","RDL","YES",-99,"1040","1","0.962",
"TF1-EBP-GT124R-083117","SW846 8270D","RES","SC38778-01","ESAI","129-00-
0","Pyrene","0.962","g/l","U","0.587","MDL","TARGET","4.81","RDL","YES",-99,"1040","1","0.962",
"TF1-EBP-GT124R-083117","SW846 8270D","RES","SC38778-01","ESAI","15067-26-2","Acenaphthene-
d10","40.0","g/ml",-99,"NA","ISTD","189",-99,"NA","YES","40.0","1040","1",-99",
"TF1-EBP-GT124R-083117","SW846 8270D","RES","SC38778-01","ESAI","1517-22-2","Phenanthrene-
d10","40.0","g/ml",-99,"NA","ISTD","170",-99,"NA","YES","40.0","1040","1",-99",
"TF1-EBP-GT124R-083117","SW846 8270D","RES","SC38778-01","ESAI","1520-96-3","Perylene-
d12","40.0","g/ml",-99,"NA","ISTD","168",-99,"NA","YES","40.0","1040","1",-99",
"TF1-EBP-GT124R-083117","SW846 8270D","RES","SC38778-01","ESAI","1718-51-0","Terphenyl-
dl4","37.4","g/l",-99,"NA","SUR","78",-99,"NA","YES","48.1","1040","1",-99",
"TF1-EBP-GT124R-083117","SW846 8270D","RES","SC38778-01","ESAI","1719-03-5","Chrysene-
d12","40.0","g/ml",-99,"NA","ISTD","158",-99,"NA","YES","40.0","1040","1",-99",
"TF1-EBP-GT124R-083117","SW846 8270D","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8270D","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8270D","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8270D","RES","SC38778-01","ESAI","206-44-
0","Fluoranthene","0.962","g/l","U","0.613","MDL","TARGET","4.81","RDL","YES",-99,"1040","1","0.962",
"TF1-EBP-GT124R-083117","SW846 8270D","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8270D","RES","SC38778-01","ESAI","208-96-
8","Acenaphthylene","0.962","g/l","U","0.657","MDL","TARGET","4.81","RDL","YES",-99,"1040","1","0.962",
"TF1-EBP-GT124R-083117","SW846 8270D","RES","SC38778-01","ESAI","218-01-
9","Chrysene","0.962","g/l","U","0.512","MDL","TARGET","4.81","RDL","YES",-99,"1040","1","0.962",
"TF1-EBP-GT124R-083117","SW846 8270D","RES","SC38778-01","ESAI","321-60-8","2-
Fluorobiphenyl","29.2","g/l",-99,"NA","SUR","61",-99,"NA","YES","48.1","1040","1",-99",
"TF1-EBP-GT124R-083117","SW846 8270D","RES","SC38778-01","ESAI","4165-60-0","Nitrobenzene-
d5","32.2","g/l",-99,"NA","SUR","67",-99,"NA","YES","48.1","1040","1",-99",
"TF1-EBP-GT124R-083117","SW846 8270D","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8270D","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8270D","RES","SC38778-01","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-EBP-GT124R-083117","SW846 8270D","RES","SC38778-01","ESAI","83-32-
9","Acenaphthene","0.962","◆g/l","U","0.664","MDL","TARGET","4.81","RDL","YES","-99","1040","1","0.9
62",
"TF1-EBP-GT124R-083117","SW846 8270D","RES","SC38778-01","ESAI","85-01-
8","Phenanthrene","0.962","◆g/l","U","0.563","MDL","TARGET","4.81","RDL","YES","-99","1040","1","0.96
2",
"TF1-EBP-GT124R-083117","SW846 8270D","RES","SC38778-01","ESAI","86-73-
7","Fluorene","0.962","◆g/l","U","0.588","MDL","TARGET","4.81","RDL","YES","-99","1040","1","0.962",
"TF1-EBP-GT124R-083117","SW846 8270D","RES","SC38778-01","ESAI","90-12-0","1-
Methylnaphthalene","0.962","◆g/l","U","0.705","MDL","TARGET","4.81","RDL","YES","-99","1040","1","0.9
62",
"TF1-EBP-GT124R-083117","SW846 8270D","RES","SC38778-01","ESAI","91-20-
3","Naphthalene","0.962","◆g/l","U","0.659","MDL","TARGET","4.81","RDL","YES","-99","1040","1","0.962
",
"TF1-EBP-GT124R-083117","SW846 8270D","RES","SC38778-01","ESAI","91-57-6","2-
Methylnaphthalene","0.962","◆g/l","U","0.552","MDL","TARGET","4.81","RDL","YES","-99","1040","1","0.9
62",
"TF1-EBP-GT124R-083117DUP","EPA 245.1/7470A","RES","1715786-DUP1","ESAI","7439-97-
6","Mercury","0.00020","mg/l","U","0.00013","MDL","TARGET","0.00020","RDL","YES","-99","TF1-EBP-
GT124R-083117","20","20","0.00020",
"TF1-EBP-GT124R-083117DUP","SM18-22 5210B","RES","1715081-DUP1","ESAI","NA","Biochemical Oxygen
Demand (5-day)","3.00","mg/l","2.74","MDL","TARGET","3.00","RDL","YES","-99","TF1-EBP-GT124R-
083117","300","300","2.97",
"TF1-EBP-GT124R-083117DUP","SM2320B (97, 11)","RES","1715643-DUP1","ESAI","NA","Total
Alkalinity","3.94","mg/l CaCO3","QR5","0.524","MDL","TARGET","28","2.00","RDL","YES","-99","TF1-EBP-
GT124R-083117","100","50","1.50",
"TF1-EBP-GT124R-083117MS","EPA 245.1/7470A","RES","1715786-MS1","ESAI","7439-97-
6","Mercury","0.00446","mg/l","0.00013","MDL","SPIKE","89","0.00020","RDL","YES","0.00500","TF1-EBP-
GT124R-083117","20","20","0.00020",
"TF1-EBP-GT124R-083117MS","SM18-22 5210B","RES","1715081-MS1","ESAI","NA","Biochemical Oxygen
Demand (5-day)","56.0","mg/l","2.74","MDL","SPIKE","94","30.0","RDL","YES","59.4","TF1-EBP-GT124R-
083117","300","300","2.97",
"TF1-EBP-GT124R-083117MS","SM2320B (97, 11)","RES","1715643-MS1","ESAI","NA","Total
Alkalinity","31.5","mg/l CaCO3","0.524","MDL","SPIKE","114","2.00","RDL","YES","25.0","TF1-EBP-GT124R-
083117","100","50","1.50",
"TF1-EBP-GT124R-083117MSD","EPA 245.1/7470A","RES","1715786-MSD1","ESAI","7439-97-
6","Mercury","0.00442","mg/l","0.00013","MDL","SPIKE","88","1","0.00020","RDL","YES","0.00500","TF1-
EBP-GT124R-083117","20","20","0.00020",
"TF1-EBP-GT124R-083117MSD","SM18-22 5210B","RES","1715081-MSD1","ESAI","NA","Biochemical Oxygen
Demand (5-day)","71.0","mg/l","QM9","2.74","MDL","SPIKE","120","24","30.0","RDL","YES","59.4","TF1-
EBP-GT124R-083117","300","300","2.97",
"TF1-EBP-GT124R-083117MSD","SM2320B (97, 11)","RES","1715643-MSD1","ESAI","NA","Total
Alkalinity","31.1","mg/l CaCO3","0.524","MDL","SPIKE","113","1","2.00","RDL","YES","25.0","TF1-EBP-
GT124R-083117","100","50","1.50",
"TF1-EBP-GT124R-083117PS","EPA 245.1/7470A","RES","1715786-PS1","ESAI","7439-97-
6","Mercury","0.00427","mg/l","0.00013","MDL","SPIKE","85","0.00020","RDL","YES","0.00500","TF1-EBP-
GT124R-083117","20","20","0.00020",
"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","1763-23-1","Perfluoro-
octanesulfonate","7","ng/l","2","MDL","TARGET","6","RDL","YES","-99","-99",
"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","1763-23-1L","13C8-
PFOS","36","ng/l","-99","NA","SUR","76","-99","NA","YES","48","-99",
"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","2058-94-8","Perfluoroundecanoic

acid","0","ng/l","1","MDL","TARGET","3","RDL","YES","-99","-99","<"

"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","2058-94-8L","13C7-PFUnDA","28","ng/l","-99","NA","SUR","56","-99","NA","YES","50","-99",

"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","2706-90-3","Perfluoropentanoic Acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<"

"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","2706-90-3L","13C5-PFPeA","38","ng/l","-99","NA","SUR","77","-99","NA","YES","50","-99",

"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","307-24-4","Perfluorohexanoic acid","0","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99","<"

"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","307-24-4L","13C5-PFHxA","39","ng/l","-99","NA","SUR","79","-99","NA","YES","50","-99",

"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","307-55-1","Perfluorododecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<"

"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","307-55-1L","13C2-PFDoDA","24","ng/l","-99","NA","SUR","47","-99","NA","YES","50","-99",

"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","335-67-1","Perfluorooctanoic acid","4","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99",

"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","335-67-1L","13C8-PFOA","40","ng/l","-99","NA","SUR","81","-99","NA","YES","50","-99",

"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","335-76-2","Perfluorodecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<"

"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","335-76-2L","13C6-PFDA","38","ng/l","-99","NA","SUR","76","-99","NA","YES","50","-99",

"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","335-77-3","Perfluorodecanesulfonate","0","ng/l","2","MDL","TARGET","6","RDL","YES","-99","-99","<"

"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","355-46-4","Perfluorohexanesulfonate","0","ng/l","1","MDL","TARGET","3","RDL","YES","-99","-99","<"

"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","355-46-4L","13C3-PFHxS","33","ng/l","-99","NA","SUR","71","-99","NA","YES","47","-99",

"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","375-22-4","Perfluorobutanoic Acid","0","ng/l","3","MDL","TARGET","10","RDL","YES","-99","-99","<"

"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","375-22-4L","13C4-PFBA","36","ng/l","-99","NA","SUR","72","-99","NA","YES","50","-99",

"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","375-73-5","Perfluorobutanesulfonate","0","ng/l","0.8","MDL","TARGET","3","RDL","YES","-99","-99","<"

"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","375-73-5L","13C3-PFBS","36","ng/l","-99","NA","SUR","78","-99","NA","YES","46","-99",

"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","375-85-9","Perfluoroheptanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<"

"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","375-85-9L","13C4-PFHpA","39","ng/l","-99","NA","SUR","79","-99","NA","YES","50","-99",

"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","375-92-8","Perfluoroheptanesulfonate","0","ng/l","2","MDL","TARGET","6","RDL","YES","-99","-99","<"

"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","375-95-1","Perfluorononanoic acid","0","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99","<"

"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","375-95-1L","13C9-PFNA","32","ng/l","-99","NA","SUR","64","-99","NA","YES","50","-99",

"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","376-06-7","Perfluorotetradecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<"

"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","376-06-7L","13C2-PFTeDA","21","ng/l","-99","NA","SUR","42","-99","NA","YES","50","-99",

"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","72629-94-8","Perfluorotridecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<"

"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","754-91-6","PFOSA","0","ng/l","3","MDL","TARGET","9","RDL","YES","-99","-99","<"

"TF1-FRB-083117","EPA 537 Modified","RES","SC38778-07","ESAI","754-91-6L","13C8-PFOA","7","ng/l","-99","NA","SUR","14","-99","NA","YES","50","-99",

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","1763-23-1","Perfluoro-octanesulfonate","0","ng/l","2","MDL","TARGET","6","RDL","YES","-99","-99","<"

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","1763-23-1L","13C8-PFOS","33","ng/l","-99","NA","SUR","70","-99","NA","YES","48","-99"

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","2058-94-8","Perfluoroundecanoic acid","0","ng/l","1","MDL","TARGET","3","RDL","YES","-99","-99","<"

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","2058-94-8L","13C7-PFUnDA","29","ng/l","-99","NA","SUR","57","-99","NA","YES","50","-99"

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","2706-90-3","Perfluoropentanoic Acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<"

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","2706-90-3L","13C5-PFPeA","40","ng/l","-99","NA","SUR","81","-99","NA","YES","50","-99"

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","307-24-4","Perfluorohexanoic acid","0","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99","<"

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","307-24-4L","13C5-PFHxA","40","ng/l","-99","NA","SUR","79","-99","NA","YES","50","-99"

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","307-55-1","Perfluorododecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<"

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","307-55-1L","13C2-PFDoDA","25","ng/l","-99","NA","SUR","50","-99","NA","YES","50","-99"

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","335-67-1","Perfluorooctanoic acid","1","ng/l","Ja","0.6","MDL","TARGET","2","RDL","YES","-99","-99"

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","335-67-1L","13C8-PFOA","39","ng/l","-99","NA","SUR","78","-99","NA","YES","50","-99"

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","335-76-2","Perfluorodecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<"

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","335-76-2L","13C6-PFDA","38","ng/l","-99","NA","SUR","76","-99","NA","YES","50","-99"

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","335-77-3","Perfluorodecanesulfonate","0","ng/l","2","MDL","TARGET","6","RDL","YES","-99","-99","<"

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","355-46-4","Perfluorohexanesulfonate","0","ng/l","1","MDL","TARGET","3","RDL","YES","-99","-99","<"

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","355-46-4L","13C3-PFHxS","35","ng/l","-99","NA","SUR","73","-99","NA","YES","47","-99"

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","375-22-4","Perfluorobutanoic Acid","0","ng/l","3","MDL","TARGET","10","RDL","YES","-99","-99","<"

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","375-22-4L","13C4-PFBA","38","ng/l","-99","NA","SUR","75","-99","NA","YES","50","-99"

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","375-73-5","Perfluorobutanesulfonate","0","ng/l","0.8","MDL","TARGET","3","RDL","YES","-99","-99","<"

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","375-73-5L","13C3-PFBS","37","ng/l","-99","NA","SUR","80","-99","NA","YES","47","-99"

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","375-85-9","Perfluoroheptanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<"

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","375-85-9L","13C4-PFHpA","36","ng/l","-99","NA","SUR","71","-99","NA","YES","50","-99"

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","375-92-8","Perfluoroheptanesulfonate","0","ng/l","2","MDL","TARGET","6","RDL","YES","-99","-99","<"

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","375-95-1","Perfluorononanoic acid","0","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99","<"

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","375-95-1L","13C9-PFNA","33","ng/l","-99","NA","SUR","65","-99","NA","YES","50","-99"

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","376-06-7","Perfluorotetradecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<"

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","376-06-7L","13C2-PFTeDA","22","ng/l","-99","NA","SUR","45","-99","NA","YES","50","-99"

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","72629-94-8","Perfluorotridecanoic

acid","0","ng/l","0.5","MDL","TARGET",,"2","RDL","YES",-99",,"-99",,"<"

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","754-91-6","PFOSA","0","ng/l","3","MDL","TARGET",,"9","RDL","YES",-99",,"-99",,"<"

"TF1-FRB-090117","EPA 537 Modified","RES","SC38778-13","ESAI","754-91-6L","13C8-PFOSA","30","ng/l","-99","NA","SUR","59","-99","NA","YES","50",,"-99",

"TF1-GT-110-083117","EPA 200/6000 methods","RES","SC38778-02","ESAI","NA","Preservation","0","N/A","-99","NA","TARGET",,"-99","NA","YES",-99",,"1","1",-99",Field Preserved; pH<2 confirmed"

"TF1-GT-110-083117","EPA 245.1/7470A","RES","SC38778-02","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-110-083117","EPA 300.0","RES","SC38778-02","ESAI","14797-55-8","Nitrate as N","0.016","mg/l","J","0.009","MDL","TARGET",,"0.100","RDL","YES",-99",,"5","5","0.100",

"TF1-GT-110-083117","EPA 300.0","RES","SC38778-02","ESAI","14808-79-8","Sulfate as SO4","3.61","mg/l","0.307","MDL","TARGET",,"1.00","RDL","YES",-99",,"5","5","1.00",

"TF1-GT-110-083117","EPA 300.0","RES","SC38778-02","ESAI","16887-00-6","Chloride","33.1","mg/l","0.0897","MDL","TARGET",,"1.00","RDL","YES",-99",,"5","5","0.100",

"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","1763-23-1","Perfluorooctanesulfonate","19","ng/l","2","MDL","TARGET",,"6","RDL","YES",-99",,"-99",

"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","1763-23-1L","13C8-PFOS","36","ng/l","-99","NA","SUR","76","-99","NA","YES","48",,"-99",

"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","2058-94-8","Perfluoroundecanoic acid","0","ng/l","1","MDL","TARGET",,"3","RDL","YES",-99",,"-99",,"<"

"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","2058-94-8L","13C7-PFUnDA","31","ng/l","-99","NA","SUR","62","-99","NA","YES","50",,"-99",

"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","2706-90-3","Perfluoropentanoic Acid","110","ng/l","0.5","MDL","TARGET",,"2","RDL","YES",-99",,"-99",

"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","2706-90-3L","13C5-PFPeA","45","ng/l","-99","NA","SUR","89","-99","NA","YES","50",,"-99",

"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","307-24-4","Perfluorohexanoic acid","140","ng/l","0.6","MDL","TARGET",,"2","RDL","YES",-99",,"-99",

"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","307-24-4L","13C5-PFHxA","34","ng/l","-99","NA","SUR","69","-99","NA","YES","50",,"-99",

"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","307-55-1","Perfluorododecanoic acid","0","ng/l","0.5","MDL","TARGET",,"2","RDL","YES",-99",,"-99",,"<"

"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","307-55-1L","13C2-PFDoDA","24","ng/l","-99","NA","SUR","47","-99","NA","YES","50",,"-99",

"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","335-67-1","Perfluorooctanoic acid","85","ng/l","0.6","MDL","TARGET",,"2","RDL","YES",-99",,"-99",

"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","335-67-1L","13C8-PFOA","37","ng/l","-99","NA","SUR","73","-99","NA","YES","50",,"-99",

"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","335-76-2","Perfluorodecanoic acid","0","ng/l","0.5","MDL","TARGET",,"2","RDL","YES",-99",,"-99",,"<"

"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","335-76-2L","13C6-PFDA","38","ng/l","-99","NA","SUR","77","-99","NA","YES","50",,"-99",

"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","335-77-3","Perfluorodecanesulfonate","0","ng/l","2","MDL","TARGET",,"6","RDL","YES",-99",,"-99",,"<"

"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","355-46-4","Perfluorohexanesulfonate","98","ng/l","1","MDL","TARGET",,"3","RDL","YES",-99",,"-99",

"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","355-46-4L","13C3-PFHxS","27","ng/l","-99","NA","SUR","57","-99","NA","YES","47",,"-99",

"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","375-22-4","Perfluorobutanoic Acid","45","ng/l","3","MDL","TARGET",,"10","RDL","YES",-99",,"-99",

"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","375-22-4L","13C4-PFBA","36","ng/l","-99","NA","SUR","73","-99","NA","YES","50",,"-99",

"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","375-73-5","Perfluorobutanesulfonate","23","ng/l","0.8","MDL","TARGET",,"3","RDL","YES",-99",,"-99",

"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","375-73-5L","13C3-PFBS","46","ng/l","-99","NA","SUR","98","-99","NA","YES","47",,,,"-99",
"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","375-85-9","Perfluoroheptanoic acid","27","ng/l","0.5","MDL","TARGET",,"2","RDL","YES","-99",,,,"-99",
"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","375-85-9L","13C4-PFHpa","38","ng/l","-99","NA","SUR","76","-99","NA","YES","50",,,,"-99",
"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","375-92-8","Perfluoroheptanesulfonate","0","ng/l","2","MDL","TARGET",,"6","RDL","YES","-99",,,,"-99","<"
"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","375-95-1","Perfluorononanoic acid","2","ng/l","Ja","0.6","MDL","TARGET",,"2","RDL","YES","-99",,,,"-99",
"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","375-95-1L","13C9-PFNA","45","ng/l","-99","NA","SUR","90","-99","NA","YES","50",,,,"-99",
"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","376-06-7","Perfluorotetradecanoic acid","0","ng/l","0.5","MDL","TARGET",,"2","RDL","YES","-99",,,,"-99","<"
"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","376-06-7L","13C2-PFTeDA","20","ng/l","-99","NA","SUR","40","-99","NA","YES","50",,,,"-99",
"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","72629-94-8","Perfluorotridecanoic acid","0","ng/l","0.5","MDL","TARGET",,"2","RDL","YES","-99",,,,"-99","<"
"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","754-91-6","PFOSA","0","ng/l","3","MDL","TARGET",,"9","RDL","YES","-99",,,,"-99","<"
"TF1-GT-110-083117","EPA 537 Modified","RES","SC38778-02","ESAI","754-91-6L","13C8-PFOSA","14","ng/l","-99","NA","SUR","28","-99","NA","YES","50",,,,"-99",
"TF1-GT-110-083117","Mod EPA 3C/SOP RSK-175","RES","SC38778-02","ESAI","74-82-8","Methane","350","g/l","2.16","MDL","TARGET",,"2.20","RDL","YES","-99",,"10","10","2.20",
"TF1-GT-110-083117","Mod EPA 3C/SOP RSK-175","RES","SC38778-02","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-110-083117","SM18-22 5210B","RES","SC38778-02","ESAI","NA","Biochemical Oxygen Demand (5-day)","7.00","mg/l","2.74","MDL","TARGET",,"3.00","RDL","YES","-99",,"300","300","2.97",
"TF1-GT-110-083117","SM2320B (97, 11)","RES","SC38778-02","ESAI","NA","Total Alkalinity","41.8","mg/l CaCO3",,"0.524","MDL","TARGET",,"2.00","RDL","YES","-99",,"100","50","1.50",
"TF1-GT-110-083117","SM5310B (00, 11)","RES","SC38778-02","ESAI","NA","Total Organic Carbon","2.26","mg/l",,"0.238","MDL","TARGET",,"1.00","RDL","YES","-99",,"40","40","0.500",
"TF1-GT-110-083117","SW846 6010C","RES","SC38778-02","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-110-083117","SW846 6010C","RES","SC38778-02","ESAI","7439-89-6","Iron","13.6","mg/l",,"R06",,"0.0089","MDL","TARGET",,"0.0800","RDL","YES","-99",,"50","50","0.0300",
"TF1-GT-110-083117","SW846 6010C","RES","SC38778-02","ESAI","7439-95-4","Magnesium","6.89","mg/l",,"0.0088","MDL","TARGET",,"0.0200","RDL","YES","-99",,"50","50","0.0100",
"TF1-GT-110-083117","SW846 6010C","RES","SC38778-02","ESAI","7440-09-7","Potassium","1.09","mg/l",,"0.120","MDL","TARGET",,"1.00","RDL","YES","-99",,"50","50","0.250",
"TF1-GT-110-083117","SW846 6010C","RES","SC38778-02","ESAI","7440-23-5","Sodium","16.2","mg/l",,"0.0785","MDL","TARGET",,"0.500","RDL","YES","-99",,"50","50","0.250",
"TF1-GT-110-083117","SW846 6010C","RES","SC38778-02","ESAI","7440-70-2","Calcium","7.52","mg/l",,"0.0142","MDL","TARGET",,"0.200","RDL","YES","-99",,"50","50","0.0500",
"TF1-GT-110-083117","SW846 6020A","RES","SC38778-02","ESAI","7439-92-1","Lead","0","mg/l",,"0.00011","MDL","TARGET",,"0.0020","RDL","YES","-99",,,,"-99","<"
"TF1-GT-110-083117","SW846 6020A","RES","SC38778-02","ESAI","7439-96-5","Manganese","3.34","mg/l",,"0.00090","MDL","TARGET",,"0.0040","RDL","YES","-99",,,,"-99",
"TF1-GT-110-083117","SW846 6020A","RES","SC38778-02","ESAI","7439-98-7","Molybdenum","0","mg/l",,"0.00025","MDL","TARGET",,"0.0010","RDL","YES","-99",,,,"-99","<"
"TF1-GT-110-083117","SW846 6020A","RES","SC38778-02","ESAI","7440-02-0","Nickel","0.010","mg/l",,"0.0010","MDL","TARGET",,"0.0040","RDL","YES","-99",,,,"-99",
"TF1-GT-110-083117","SW846 6020A","RES","SC38778-02","ESAI","7440-22-4","Silver","0","mg/l",,"0.00015","MDL","TARGET",,"0.0010","RDL","YES","-99",,,,"-99","<"
"TF1-GT-110-083117","SW846 6020A","RES","SC38778-02","ESAI","7440-28-0","Thallium","0","mg/l",,"0.00012","MDL","TARGET",,"0.0010","RDL","YES","-99",,,,"-99","<"

"TF1-GT-110-083117","SW846 6020A","RES","SC38778-02","ESAI","7440-36-0","Antimony","0","mg/l","0.00045","MDL","TARGET","0.0020","RDL","YES","-99",,"-99","<"

"TF1-GT-110-083117","SW846 6020A","RES","SC38778-02","ESAI","7440-38-2","Arsenic","0.0277","mg/l","0.00072","MDL","TARGET","0.0040","RDL","YES","-99",,"-99",

"TF1-GT-110-083117","SW846 6020A","RES","SC38778-02","ESAI","7440-39-3","Barium","0.0040","mg/l","0.00072","MDL","TARGET","0.0040","RDL","YES","-99",,"-99",

"TF1-GT-110-083117","SW846 6020A","RES","SC38778-02","ESAI","7440-41-7","Beryllium","0","mg/l","0.000071","MDL","TARGET","0.0010","RDL","YES","-99",,"-99","<"

"TF1-GT-110-083117","SW846 6020A","RES","SC38778-02","ESAI","7440-43-9","Cadmium","0","mg/l","0.00015","MDL","TARGET","0.0010","RDL","YES","-99",,"-99","<"

"TF1-GT-110-083117","SW846 6020A","RES","SC38778-02","ESAI","7440-47-3","Chromium","0","mg/l","0.00087","MDL","TARGET","0.0040","RDL","YES","-99",,"-99","<"

"TF1-GT-110-083117","SW846 6020A","RES","SC38778-02","ESAI","7440-48-4","Cobalt","0.0138","mg/l","0.00016","MDL","TARGET","0.0010","RDL","YES","-99",,"-99",

"TF1-GT-110-083117","SW846 6020A","RES","SC38778-02","ESAI","7440-50-8","Copper","0","mg/l","0.00054","MDL","TARGET","0.0040","RDL","YES","-99",,"-99","<"

"TF1-GT-110-083117","SW846 6020A","RES","SC38778-02","ESAI","7440-62-2","Vanadium","0","mg/l","0.00021","MDL","TARGET","0.0010","RDL","YES","-99",,"-99","<"

"TF1-GT-110-083117","SW846 6020A","RES","SC38778-02","ESAI","7440-66-6","Zinc","0.0067","mg/l","Ja","0.0039","MDL","TARGET","0.0300","RDL","YES","-99",,"-99",

"TF1-GT-110-083117","SW846 6020A","RES","SC38778-02","ESAI","7782-49-2","Selenium","0","mg/l","0.00050","MDL","TARGET","0.0040","RDL","YES","-99",,"-99","<"

"TF1-GT-110-083117","SW-846 8015B","RES","SC38778-02","ESAI","108-90-7","Chlorobenzene","0.010","mg/l","-99","NA","SUR","84","-99","NA","YES","0.012",,"-99",

"TF1-GT-110-083117","SW-846 8015B","RES","SC38778-02","ESAI","84-15-1","Orthoterphenyl","0.012","mg/l","-99","NA","SUR","101","-99","NA","YES","0.012",,"-99",

"TF1-GT-110-083117","SW-846 8015B","RES","SC38778-02","ESAI","PHCC8C44","C8-C44","0.31","mg/l","0.051","MDL","TARGET","0.20","RDL","YES","-99",,"-99",

"TF1-GT-110-083117","SW-846 8015B","RES","SC38778-02","ESAI","PHCE","Total TPH","0.31","mg/l","0.051","MDL","TARGET","0.20","RDL","YES","-99",,"-99",

"TF1-GT-110-083117","SW846 8081B","RES","SC38778-02","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-110-083117","SW846 8081B","RES","SC38778-02","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-110-083117","SW846 8081B","RES","SC38778-02","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl (Sr)","0.497","g/l","S02","-99","NA","SUR","248","-99","NA","YES","0.200",,"1000","10","-99",

"TF1-GT-110-083117","SW846 8081B","RES","SC38778-02","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-110-083117","SW846 8081B","RES","SC38778-02","ESAI","2051-24-3","Decachlorobiphenyl (Sr)","0.247","g/l","-99","NA","SUR","124","-99","NA","YES","0.200",,"1000","10","-99",

"TF1-GT-110-083117","SW846 8081B","RES","SC38778-02","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-110-083117","SW846 8081B","RES","SC38778-02","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-110-083117","SW846 8081B","RES","SC38778-02","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-110-083117","SW846 8081B","RES","SC38778-02","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-110-083117","SW846 8081B","RES","SC38778-02","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-110-083117","SW846 8081B","RES","SC38778-02","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-110-083117","SW846 8081B","RES","SC38778-02","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-110-083117","SW846 8081B","RES","SC38778-02","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-110-083117","SW846 8081B","RES","SC38778-02","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-110-083117","SW846 8081B","RES","SC38778-02","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-110-083117","SW846 8081B","RES","SC38778-02","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-110-083117","SW846 8081B","RES","SC38778-02","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-110-083117","SW846 8081B","RES","SC38778-02","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-110-083117","SW846 8081B","RES","SC38778-02","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-110-083117","SW846 8081B","RES","SC38778-02","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-110-083117","SW846 8081B","RES","SC38778-02","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-110-083117","SW846 8081B","RES","SC38778-02","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-110-083117","SW846 8081B","RES","SC38778-02","ESAI","76-44-
8","Heptachlor","0.020","◆g/l","U","0.020","MDL","TARGET","0.020","RDL","YES","-99","1000","10","0.020",
"TF1-GT-110-083117","SW846 8081B","RES","SC38778-02","ESAI","8001-35-
2","Toxaphene","0.500","◆g/l","U","0.328","MDL","TARGET","0.500","RDL","YES","-99","1000","10","0.500",
"TF1-GT-110-083117","SW846 8081B","RES","SC38778-02","ESAI","877-09-8","2,4,5,6-TC-M-Xylene
(IS)","0.020","◆g/ml","-99","NA","ISTD","87","-99","NA","YES","10.0","1000","10","-99",
"TF1-GT-110-083117","SW846 8081B","RES","SC38778-02","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-110-083117","SW846 8082A","RES","SC38778-02","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl
(Sr)","0.157","◆g/l","-99","NA","SUR","80","-99","NA","YES","0.196","1020","10","-99",
"TF1-GT-110-083117","SW846 8082A","RES","SC38778-02","ESAI","11096-82-5","Aroclor-
1260","0.196","◆g/l","U","0.0834","MDL","TARGET","0.196","RDL","YES","-99","1020","10","0.196",
"TF1-GT-110-083117","SW846 8082A","RES","SC38778-02","ESAI","11097-69-1","Aroclor-
1254","0.196","◆g/l","U","0.114","MDL","TARGET","0.196","RDL","YES","-99","1020","10","0.196",
"TF1-GT-110-083117","SW846 8082A","RES","SC38778-02","ESAI","11100-14-4","Aroclor-
1268","0.196","◆g/l","U","0.0897","MDL","TARGET","0.196","RDL","YES","-99","1020","10","0.196",
"TF1-GT-110-083117","SW846 8082A","RES","SC38778-02","ESAI","11104-28-2","Aroclor-
1221","0.196","◆g/l","U","0.113","MDL","TARGET","0.196","RDL","YES","-99","1020","10","0.196",
"TF1-GT-110-083117","SW846 8082A","RES","SC38778-02","ESAI","11141-16-5","Aroclor-
1232","0.196","◆g/l","U","0.109","MDL","TARGET","0.196","RDL","YES","-99","1020","10","0.196",
"TF1-GT-110-083117","SW846 8082A","RES","SC38778-02","ESAI","12672-29-6","Aroclor-
1248","0.196","◆g/l","U","0.133","MDL","TARGET","0.196","RDL","YES","-99","1020","10","0.196",
"TF1-GT-110-083117","SW846 8082A","RES","SC38778-02","ESAI","12674-11-2","Aroclor-
1016","0.196","◆g/l","U","0.102","MDL","TARGET","0.196","RDL","YES","-99","1020","10","0.196",
"TF1-GT-110-083117","SW846 8082A","RES","SC38778-02","ESAI","2051-24-3","Decachlorobiphenyl
(Sr)","0.137","◆g/l","-99","NA","SUR","70","-99","NA","YES","0.196","1020","10","-99",
"TF1-GT-110-083117","SW846 8082A","RES","SC38778-02","ESAI","37324-23-5","Aroclor-
1262","0.196","◆g/l","U","0.0878","MDL","TARGET","0.196","RDL","YES","-99","1020","10","0.196",
"TF1-GT-110-083117","SW846 8082A","RES","SC38778-02","ESAI","53469-21-9","Aroclor-
1242","0.196","◆g/l","U","0.105","MDL","TARGET","0.196","RDL","YES","-99","1020","10","0.196",
"TF1-GT-110-083117","SW846 8082A","RES","SC38778-02","ESAI","877-09-8","2,4,5,6-TC-M-Xylene
(IS)","0.0200","◆g/ml","-99","NA","ISTD","98","-99","NA","YES","10.0","1020","10","-99",
"TF1-GT-110-083117","SW846 8260C","RES","SC38778-02","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-110-083117","SW846 8260C","RES","SC38778-02","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-110-083117","SW846 8260C","RES","SC38778-02","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-110-083117","SW846 8260C","RES","SC38778-02","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-110-083117","SW846 8260C","RES","SC38778-02","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-110-083117","SW846 8260C","RES","SC38778-02","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-110-083117","SW846 8260C","RES","SC38778-02","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-110-083117","SW846 8260C","RES","SC38778-02","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-110-083117","SW846 8260C","RES","SC38778-02","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-110-083117","SW846 8260C","RES","SC38778-02","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-110-083117","SW846 8260C","RES","SC38778-02","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-110-083117","SW846 8260C","RES","SC38778-02","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-110-083117","SW846 8260C","RES","SC38778-02","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-110-083117","SW846 8260C","RES","SC38778-02","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-110-083117","SW846 8260C","RES","SC38778-02","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-110-083117","SW846 8260C","RES","SC38778-02","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-110-083117","SW846 8260C","RES","SC38778-02","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-110-083117","SW846 8260C","RES","SC38778-02","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-110-083117","SW846 8260C","RES","SC38778-02","ESAI","17060-07-0","1,2-Dichloroethane-d4","51.0","g/l","-99","NA","SUR","102","-99","NA","YES","50.0","5","5","-99",
"TF1-GT-110-083117","SW846 8260C","RES","SC38778-02","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-110-083117","SW846 8260C","RES","SC38778-02","ESAI","1868-53-7","Dibromofluoromethane","49.5","g/l","-99","NA","SUR","99","-99","NA","YES","50.0","5","5","-99",
"TF1-GT-110-083117","SW846 8260C","RES","SC38778-02","ESAI","2037-26-5","Toluene-d8","48.4","g/l","-99","NA","SUR","97","-99","NA","YES","50.0","5","5","-99",
"TF1-GT-110-083117","SW846 8260C","RES","SC38778-02","ESAI","3114-55-4","Chlorobenzene-d5","50.0","g/l","-99","NA","ISTD","101","-99","NA","YES","50.0","5","5","-99",
"TF1-GT-110-083117","SW846 8260C","RES","SC38778-02","ESAI","3855-82-1","1,4-Dichlorobenzene-d4","50.0","g/l","-99","NA","ISTD","98","-99","NA","YES","50.0","5","5","-99",
"TF1-GT-110-083117","SW846 8260C","RES","SC38778-02","ESAI","460-00-4","4-Bromofluorobenzene","48.6","g/l","-99","NA","SUR","97","-99","NA","YES","50.0","5","5","-99",
"TF1-GT-110-083117","SW846 8260C","RES","SC38778-02","ESAI","462-06-6","Fluorobenzene","50.0","g/l","-99","NA","ISTD","103","-99","NA","YES","50.0","5","5","-99",
"TF1-GT-110-083117","SW846 8260C","RES","SC38778-02","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-110-083117","SW846 8260C","RES","SC38778-02","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-110-083117","SW846 8260C","RES","SC38778-02","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-110-083117","SW846 8260C","RES","SC38778-02","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-110-083117","SW846 8260C","RES","SC38778-02","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-110-083117", "SW846 8260C", "RES", "SC38778-02", "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-110-083117", "SW846 8260C", "RES", "SC38778-02", "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-110-083117", "SW846 8260C", "RES", "SC38778-02", "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-110-083117", "SW846 8260C", "RES", "SC38778-02", "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-110-083117", "SW846 8260C", "RES", "SC38778-02", "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-110-083117", "SW846 8260C", "RES", "SC38778-02", "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-110-083117", "SW846 8260C", "RES", "SC38778-02", "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-110-083117", "SW846 8260C", "RES", "SC38778-02", "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-110-083117", "SW846 8260C", "RES", "SC38778-02", "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-110-083117", "SW846 8260C", "RES", "SC38778-02", "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-110-083117", "SW846 8260C", "RES", "SC38778-02", "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-110-083117", "SW846 8260C", "RES", "SC38778-02", "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-110-083117", "SW846 8260C", "RES", "SC38778-02", "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-110-083117", "SW846 8260C", "RES", "SC38778-02", "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-110-083117", "SW846 8260C", "RES", "SC38778-02", "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-110-083117", "SW846 8260C", "RES", "SC38778-02", "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-110-083117", "SW846 8260C", "RES", "SC38778-02", "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-110-083117", "SW846 8260C", "RES", "SC38778-02", "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-110-083117", "SW846 8260C", "RES", "SC38778-02", "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-110-083117", "SW846 8260C", "RES", "SC38778-02", "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-110-083117", "SW846 8260C", "RES", "SC38778-02", "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-110-083117", "SW846 8260C", "RES", "SC38778-02", "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-110-083117", "SW846 8260C", "RES", "SC38778-02", "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-110-083117", "SW846 8260C", "RES", "SC38778-02", "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-110-083117", "SW846 8260C", "RES", "SC38778-02", "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-110-083117", "SW846 8260C", "RES", "SC38778-02", "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-110-083117", "SW846 8260C", "RES", "SC38778-02", "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-110-083117", "SW846 8270D", "RES", "SC38778-02", "ESAI", "1146-65-2", "Naphthalene-
d8", "40.0", "g/ml", "-99", "NA", "ISTD", "145", "-99", "NA", "YES", "40.0", "1030", "1", "-99",

"TF1-GT-110-083117","SW846 8270D","RES","SC38778-02","ESAI","120-12-7","Anthracene","0.971","g/l","U","0.590","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-GT-110-083117","SW846 8270D","RES","SC38778-02","ESAI","129-00-0","Pyrene","0.971","g/l","U","0.592","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-GT-110-083117","SW846 8270D","RES","SC38778-02","ESAI","15067-26-2","Acenaphthene-d10","40.0","g/ml","-99","NA","ISTD","160","-99","NA","YES","40.0","1030","1","-99",

"TF1-GT-110-083117","SW846 8270D","RES","SC38778-02","ESAI","1517-22-2","Phenanthrene-d10","40.0","g/ml","-99","NA","ISTD","147","-99","NA","YES","40.0","1030","1","-99",

"TF1-GT-110-083117","SW846 8270D","RES","SC38778-02","ESAI","1520-96-3","Perylene-d12","40.0","g/ml","-99","NA","ISTD","142","-99","NA","YES","40.0","1030","1","-99",

"TF1-GT-110-083117","SW846 8270D","RES","SC38778-02","ESAI","1718-51-0","Terphenyl-d14","43.2","g/l","-99","NA","SUR","89","-99","NA","YES","48.5","1030","1","-99",

"TF1-GT-110-083117","SW846 8270D","RES","SC38778-02","ESAI","1719-03-5","Chrysene-d12","40.0","g/ml","-99","NA","ISTD","135","-99","NA","YES","40.0","1030","1","-99",

"TF1-GT-110-083117","SW846 8270D","RES","SC38778-02","ESAI","191-24-2","Benzo (g,h,i) perylene","0.971","g/l","U","0.515","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-GT-110-083117","SW846 8270D","RES","SC38778-02","ESAI","193-39-5","Indeno (1,2,3-cd) pyrene","0.971","g/l","U","0.563","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-GT-110-083117","SW846 8270D","RES","SC38778-02","ESAI","205-99-2","Benzo (b) fluoranthene","0.971","g/l","U","0.424","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-GT-110-083117","SW846 8270D","RES","SC38778-02","ESAI","206-44-0","Fluoranthene","0.971","g/l","U","0.619","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-GT-110-083117","SW846 8270D","RES","SC38778-02","ESAI","207-08-9","Benzo (k) fluoranthene","0.971","g/l","U","0.466","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-GT-110-083117","SW846 8270D","RES","SC38778-02","ESAI","208-96-8","Acenaphthylene","0.971","g/l","U","0.663","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-GT-110-083117","SW846 8270D","RES","SC38778-02","ESAI","218-01-9","Chrysene","0.971","g/l","U","0.517","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-GT-110-083117","SW846 8270D","RES","SC38778-02","ESAI","321-60-8","2-Fluorobiphenyl","32.8","g/l","-99","NA","SUR","68","-99","NA","YES","48.5","1030","1","-99",

"TF1-GT-110-083117","SW846 8270D","RES","SC38778-02","ESAI","4165-60-0","Nitrobenzene-d5","37.0","g/l","-99","NA","SUR","76","-99","NA","YES","48.5","1030","1","-99",

"TF1-GT-110-083117","SW846 8270D","RES","SC38778-02","ESAI","50-32-8","Benzo (a) pyrene","0.971","g/l","U","0.546","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-GT-110-083117","SW846 8270D","RES","SC38778-02","ESAI","53-70-3","Dibenzo (a,h) anthracene","0.971","g/l","U","0.437","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-GT-110-083117","SW846 8270D","RES","SC38778-02","ESAI","56-55-3","Benzo (a) anthracene","0.971","g/l","U","0.520","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-GT-110-083117","SW846 8270D","RES","SC38778-02","ESAI","83-32-9","Acenaphthene","0.971","g/l","U","0.671","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-GT-110-083117","SW846 8270D","RES","SC38778-02","ESAI","85-01-8","Phenanthrene","0.971","g/l","U","0.569","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-GT-110-083117","SW846 8270D","RES","SC38778-02","ESAI","86-73-7","Fluorene","0.971","g/l","U","0.594","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-GT-110-083117","SW846 8270D","RES","SC38778-02","ESAI","90-12-0","1-Methylnaphthalene","0.971","g/l","U","0.712","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-GT-110-083117","SW846 8270D","RES","SC38778-02","ESAI","91-20-3","Naphthalene","0.971","g/l","U","0.665","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-GT-110-083117","SW846 8270D","RES","SC38778-02","ESAI","91-57-6","2-Methylnaphthalene","0.971","g/l","U","0.557","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

71",
"TF1-GT-112-090117","EPA 200/6000 methods","RES","SC38778-09","ESAI","NA","Preservation","0","N/A","-99","NA","TARGET","-99","NA","YES","-99","1","1","-99","Field Preserved; pH<2 confirmed"
"TF1-GT-112-090117","EPA 245.1/7470A","RES","SC38778-09","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-112-090117","EPA 300.0","RES","SC38778-09","ESAI","14797-55-8","Nitrate as N","0.100","mg/l","U","0.009","MDL","TARGET","0.100","RDL","YES","-99","5","5","0.100",
"TF1-GT-112-090117","EPA 300.0","RES","SC38778-09","ESAI","14808-79-8","Sulfate as SO4","1.44","mg/l","0.307","MDL","TARGET","1.00","RDL","YES","-99","5","5","1.00",
"TF1-GT-112-090117","EPA 300.0","RES","SC38778-09","ESAI","16887-00-6","Chloride","7.52","mg/l","0.0897","MDL","TARGET","1.00","RDL","YES","-99","5","5","0.100",
"TF1-GT-112-090117","EPA 537 Modified","DL10","SC38778-09","ESAI","1763-23-1","Perfluorooctanesulfonate","1400","ng/l","20","MDL","TARGET","60","RDL","YES","-99","-99",
"TF1-GT-112-090117","EPA 537 Modified","RES","SC38778-09","ESAI","1763-23-1L","13C8-PFOS","32","ng/l","-99","NA","SUR","68","-99","NA","YES","48","-99",
"TF1-GT-112-090117","EPA 537 Modified","RES","SC38778-09","ESAI","2058-94-8","Perfluoroundecanoic acid","0","ng/l","1","MDL","TARGET","3","RDL","YES","-99","-99","<"
"TF1-GT-112-090117","EPA 537 Modified","RES","SC38778-09","ESAI","2058-94-8L","13C7-PFUnDA","24","ng/l","-99","NA","SUR","47","-99","NA","YES","50","-99",
"TF1-GT-112-090117","EPA 537 Modified","RES","SC38778-09","ESAI","2706-90-3","Perfluoropentanoic Acid","34","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99",
"TF1-GT-112-090117","EPA 537 Modified","RES","SC38778-09","ESAI","2706-90-3L","13C5-PFPeA","47","ng/l","-99","NA","SUR","95","-99","NA","YES","50","-99",
"TF1-GT-112-090117","EPA 537 Modified","RES","SC38778-09","ESAI","307-24-4","Perfluorohexanoic acid","150","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99",
"TF1-GT-112-090117","EPA 537 Modified","RES","SC38778-09","ESAI","307-24-4L","13C5-PFHxA","24","ng/l","-99","NA","SUR","49","-99","NA","YES","50","-99",
"TF1-GT-112-090117","EPA 537 Modified","RES","SC38778-09","ESAI","307-55-1","Perfluorododecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<"
"TF1-GT-112-090117","EPA 537 Modified","RES","SC38778-09","ESAI","307-55-1L","13C2-PFDoDA","19","ng/l","-99","NA","SUR","38","-99","NA","YES","50","-99",
"TF1-GT-112-090117","EPA 537 Modified","RES","SC38778-09","ESAI","335-67-1","Perfluorooctanoic acid","44","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99",
"TF1-GT-112-090117","EPA 537 Modified","RES","SC38778-09","ESAI","335-67-1L","13C8-PFOA","28","ng/l","-99","NA","SUR","56","-99","NA","YES","50","-99",
"TF1-GT-112-090117","EPA 537 Modified","RES","SC38778-09","ESAI","335-76-2","Perfluorodecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<"
"TF1-GT-112-090117","EPA 537 Modified","RES","SC38778-09","ESAI","335-76-2L","13C6-PFDA","35","ng/l","-99","NA","SUR","70","-99","NA","YES","50","-99",
"TF1-GT-112-090117","EPA 537 Modified","RES","SC38778-09","ESAI","335-77-3","Perfluorodecanesulfonate","0","ng/l","2","MDL","TARGET","6","RDL","YES","-99","-99","<"
"TF1-GT-112-090117","EPA 537 Modified","RES","SC38778-09","ESAI","355-46-4","Perfluorohexanesulfonate","720","ng/l","1","MDL","TARGET","3","RDL","YES","-99","-99",
"TF1-GT-112-090117","EPA 537 Modified","RES","SC38778-09","ESAI","355-46-4L","13C3-PFHxS","21","ng/l","-99","NA","SUR","45","-99","NA","YES","47","-99",
"TF1-GT-112-090117","EPA 537 Modified","RES","SC38778-09","ESAI","375-22-4","Perfluorobutanoic Acid","0","ng/l","3","MDL","TARGET","10","RDL","YES","-99","-99","<"
"TF1-GT-112-090117","EPA 537 Modified","RES","SC38778-09","ESAI","375-22-4L","13C4-PFBA","34","ng/l","-99","NA","SUR","68","-99","NA","YES","50","-99",
"TF1-GT-112-090117","EPA 537 Modified","RES","SC38778-09","ESAI","375-73-5","Perfluorobutanesulfonate","74","ng/l","0.8","MDL","TARGET","3","RDL","YES","-99","-99",
"TF1-GT-112-090117","EPA 537 Modified","RES","SC38778-09","ESAI","375-73-5L","13C3-PFBS","53","ng/l","-99","NA","SUR","114","-99","NA","YES","46","-99",
"TF1-GT-112-090117","EPA 537 Modified","RES","SC38778-09","ESAI","375-85-9","Perfluoroheptanoic acid","17","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99",

"TF1-GT-112-090117","EPA 537 Modified","RES","SC38778-09","ESAI","375-85-9L","13C4-PFHpA","27","ng/l","-99","NA","SUR","54","-99","NA","YES","50",,"-99",
"TF1-GT-112-090117","EPA 537 Modified","RES","SC38778-09","ESAI","375-92-8","Perfluoroheptanesulfonate","35","ng/l","2","MDL","TARGET",,"6","RDL","YES","-99",,"-99",
"TF1-GT-112-090117","EPA 537 Modified","RES","SC38778-09","ESAI","375-95-1","Perfluorononanoic acid","1","ng/l","Ja","0.6","MDL","TARGET",,"2","RDL","YES","-99",,"-99",
"TF1-GT-112-090117","EPA 537 Modified","RES","SC38778-09","ESAI","375-95-1L","13C9-PFNA","42","ng/l","-99","NA","SUR","85","-99","NA","YES","50",,"-99",
"TF1-GT-112-090117","EPA 537 Modified","RES","SC38778-09","ESAI","376-06-7","Perfluorotetradecanoic acid","0","ng/l","0.5","MDL","TARGET",,"2","RDL","YES","-99",,"-99",,"<"
"TF1-GT-112-090117","EPA 537 Modified","RES","SC38778-09","ESAI","376-06-7L","13C2-PFTeDA","16","ng/l","-99","NA","SUR","32","-99","NA","YES","50",,"-99",
"TF1-GT-112-090117","EPA 537 Modified","RES","SC38778-09","ESAI","72629-94-8","Perfluorotridecanoic acid","0","ng/l","0.5","MDL","TARGET",,"2","RDL","YES","-99",,"-99",,"<"
"TF1-GT-112-090117","EPA 537 Modified","RES","SC38778-09","ESAI","754-91-6","PFOSA","0","ng/l","3","MDL","TARGET",,"9","RDL","YES","-99",,"-99",,"<"
"TF1-GT-112-090117","EPA 537 Modified","RES","SC38778-09","ESAI","754-91-6L","13C8-PFOA","12","ng/l","-99","NA","SUR","24","-99","NA","YES","50",,"-99",
"TF1-GT-112-090117","Mod EPA 3C/SOP RSK-175","RES","SC38778-09","ESAI","74-82-8","Methane","2.20","g/l","U","2.16","MDL","TARGET",,"2.20","RDL","YES","-99",,"10","10","2.20",
"TF1-GT-112-090117","Mod EPA 3C/SOP RSK-175","RES","SC38778-09","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-112-090117","SM18-22 5210B","RES","SC38778-09","ESAI","NA","Biochemical Oxygen Demand (5-day)","7.00","mg/l","BOD4","2.74","MDL","TARGET",,"3.00","RDL","YES","-99",,"300","300","2.97",
"TF1-GT-112-090117","SM2320B (97, 11)","RES","SC38778-09","ESAI","NA","Total Alkalinity","63.2","mg/l CaCO3","0.524","MDL","TARGET",,"2.00","RDL","YES","-99",,"100","50","1.50",
"TF1-GT-112-090117","SM5310B (00, 11)","RES","SC38778-09","ESAI","NA","Total Organic Carbon","5.64","mg/l","0.238","MDL","TARGET",,"1.00","RDL","YES","-99",,"40","40","0.500",
"TF1-GT-112-090117","SW846 6010C","RES","SC38778-09","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-112-090117","SW846 6010C","RES","SC38778-09","ESAI","7439-89-6","Iron","29.6","mg/l","R06","0.0089","MDL","TARGET",,"0.0800","RDL","YES","-99",,"50","50","0.0300",
"TF1-GT-112-090117","SW846 6010C","RES","SC38778-09","ESAI","7439-95-4","Magnesium","2.71","mg/l","0.0088","MDL","TARGET",,"0.0200","RDL","YES","-99",,"50","50","0.0100",
"TF1-GT-112-090117","SW846 6010C","RES","SC38778-09","ESAI","7440-09-7","Potassium","1.98","mg/l","0.120","MDL","TARGET",,"1.00","RDL","YES","-99",,"50","50","0.250",
"TF1-GT-112-090117","SW846 6010C","RES","SC38778-09","ESAI","7440-23-5","Sodium","6.43","mg/l","0.0785","MDL","TARGET",,"0.500","RDL","YES","-99",,"50","50","0.250",
"TF1-GT-112-090117","SW846 6010C","RES","SC38778-09","ESAI","7440-70-2","Calcium","13.1","mg/l","0.0142","MDL","TARGET",,"0.200","RDL","YES","-99",,"50","50","0.0500",
"TF1-GT-112-090117","SW846 6020A","RES","SC38778-09","ESAI","7439-92-1","Lead","0","mg/l","0.00011","MDL","TARGET",,"0.0020","RDL","YES","-99",,"-99",,"<"
"TF1-GT-112-090117","SW846 6020A","RES","SC38778-09","ESAI","7439-96-5","Manganese","3.26","mg/l","0.00090","MDL","TARGET",,"0.0040","RDL","YES","-99",,"-99",
"TF1-GT-112-090117","SW846 6020A","RES","SC38778-09","ESAI","7439-98-7","Molybdenum","0","mg/l","0.00025","MDL","TARGET",,"0.0010","RDL","YES","-99",,"-99",,"<"
"TF1-GT-112-090117","SW846 6020A","RES","SC38778-09","ESAI","7440-02-0","Nickel","0","mg/l","0.0010","MDL","TARGET",,"0.0040","RDL","YES","-99",,"-99",,"<"
"TF1-GT-112-090117","SW846 6020A","RES","SC38778-09","ESAI","7440-22-4","Silver","0","mg/l","0.00015","MDL","TARGET",,"0.0010","RDL","YES","-99",,"-99",,"<"
"TF1-GT-112-090117","SW846 6020A","RES","SC38778-09","ESAI","7440-28-0","Thallium","0","mg/l","0.00012","MDL","TARGET",,"0.0010","RDL","YES","-99",,"-99",,"<"
"TF1-GT-112-090117","SW846 6020A","RES","SC38778-09","ESAI","7440-36-0","Antimony","0","mg/l","0.00045","MDL","TARGET",,"0.0020","RDL","YES","-99",,"-99",,"<"
"TF1-GT-112-090117","SW846 6020A","RES","SC38778-09","ESAI","7440-38-2","Arsenic","0.0029","mg/l","Ja","0.00072","MDL","TARGET",,"0.0040","RDL","YES","-99",,"-99",

"TF1-GT-112-090117","SW846 6020A","RES","SC38778-09","ESAI","7440-39-3","Barium","0.0167","mg/l","0.00072","MDL","TARGET","0.0040","RDL","YES","-99",,,,"-99",
"TF1-GT-112-090117","SW846 6020A","RES","SC38778-09","ESAI","7440-41-7","Beryllium","0","mg/l","0.000071","MDL","TARGET","0.0010","RDL","YES","-99",,,,"-99", "<"
"TF1-GT-112-090117","SW846 6020A","RES","SC38778-09","ESAI","7440-43-9","Cadmium","0","mg/l","0.00015","MDL","TARGET","0.0010","RDL","YES","-99",,,,"-99", "<"
"TF1-GT-112-090117","SW846 6020A","RES","SC38778-09","ESAI","7440-47-3","Chromium","0","mg/l","0.00087","MDL","TARGET","0.0040","RDL","YES","-99",,,,"-99", "<"
"TF1-GT-112-090117","SW846 6020A","RES","SC38778-09","ESAI","7440-48-4","Cobalt","0","mg/l","0.00016","MDL","TARGET","0.0010","RDL","YES","-99",,,,"-99", "<"
"TF1-GT-112-090117","SW846 6020A","RES","SC38778-09","ESAI","7440-50-8","Copper","0.00093","mg/l","Ja","0.00054","MDL","TARGET","0.0040","RDL","YES","-99",,,,"-99",
"TF1-GT-112-090117","SW846 6020A","RES","SC38778-09","ESAI","7440-62-2","Vanadium","0","mg/l","0.00021","MDL","TARGET","0.0010","RDL","YES","-99",,,,"-99", "<"
"TF1-GT-112-090117","SW846 6020A","RES","SC38778-09","ESAI","7440-66-6","Zinc","0","mg/l","0.0039","MDL","TARGET","0.0300","RDL","YES","-99",,,,"-99", "<"
"TF1-GT-112-090117","SW846 6020A","RES","SC38778-09","ESAI","7782-49-2","Selenium","0","mg/l","0.00050","MDL","TARGET","0.0040","RDL","YES","-99",,,,"-99", "<"
"TF1-GT-112-090117","SW-846 8015B","RES","SC38778-09","ESAI","108-90-7","Chlorobenzene","0.011","mg/l","-99","NA","SUR","86","-99","NA","YES","0.013",,,,"-99",
"TF1-GT-112-090117","SW-846 8015B","RES","SC38778-09","ESAI","84-15-1","Orthoterphenyl","0.012","mg/l","-99","NA","SUR","90","-99","NA","YES","0.013",,,,"-99",
"TF1-GT-112-090117","SW-846 8015B","RES","SC38778-09","ESAI","PHCC8C44","C8-C44","1.3","mg/l","0.054","MDL","TARGET","0.22","RDL","YES","-99",,,,"-99",
"TF1-GT-112-090117","SW-846 8015B","RES","SC38778-09","ESAI","PHCE","Total TPH","1.3","mg/l","0.054","MDL","TARGET","0.22","RDL","YES","-99",,,,"-99",
"TF1-GT-112-090117","SW846 8081B","RES","SC38778-09","ESAI","1024-57-3","Heptachlor epoxide","0.020","g/l","U","0.015","MDL","TARGET","0.020","RDL","YES","-99",,"990","10","0.020",
"TF1-GT-112-090117","SW846 8081B","RES","SC38778-09","ESAI","1031-07-8","Endosulfan sulfate","0.020","g/l","U","0.020","MDL","TARGET","0.040","RDL","YES","-99",,"990","10","0.020",
"TF1-GT-112-090117","SW846 8081B","RES","SC38778-09","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl (Sr)","0.240","g/l","-99","NA","SUR","119","-99","NA","YES","0.202",,"990","10","-99",
"TF1-GT-112-090117","SW846 8081B","RES","SC38778-09","ESAI","15972-60-8","Alachlor","0.020","g/l","U","0.019","MDL","TARGET","0.020","RDL","YES","-99",,"990","10","0.020",
"TF1-GT-112-090117","SW846 8081B","RES","SC38778-09","ESAI","2051-24-3","Decachlorobiphenyl (Sr)","0.168","g/l","-99","NA","SUR","83","-99","NA","YES","0.202",,"990","10","-99",
"TF1-GT-112-090117","SW846 8081B","RES","SC38778-09","ESAI","309-00-2","Aldrin","0.020","g/l","U","0.016","MDL","TARGET","0.020","RDL","YES","-99",,"990","10","0.020",
"TF1-GT-112-090117","SW846 8081B","RES","SC38778-09","ESAI","319-84-6","alpha-BHC","0.020","g/l","U","0.012","MDL","TARGET","0.020","RDL","YES","-99",,"990","10","0.020",
"TF1-GT-112-090117","SW846 8081B","RES","SC38778-09","ESAI","319-85-7","beta-BHC","0.020","g/l","U","0.015","MDL","TARGET","0.020","RDL","YES","-99",,"990","10","0.020",
"TF1-GT-112-090117","SW846 8081B","RES","SC38778-09","ESAI","319-86-8","delta-BHC","0.020","g/l","U","0.016","MDL","TARGET","0.020","RDL","YES","-99",,"990","10","0.020",
"TF1-GT-112-090117","SW846 8081B","RES","SC38778-09","ESAI","33213-65-9","Endosulfan II","0.020","g/l","U","0.020","MDL","TARGET","0.040","RDL","YES","-99",,"990","10","0.020",
"TF1-GT-112-090117","SW846 8081B","RES","SC38778-09","ESAI","50-29-3","4,4'-DDT (p,p')","0.030","g/l","U","0.018","MDL","TARGET","0.040","RDL","YES","-99",,"990","10","0.030",
"TF1-GT-112-090117","SW846 8081B","RES","SC38778-09","ESAI","5103-71-9","alpha-Chlordane","0.020","g/l","U","0.016","MDL","TARGET","0.020","RDL","YES","-99",,"990","10","0.020",
"TF1-GT-112-090117","SW846 8081B","RES","SC38778-09","ESAI","5103-74-2","Chlordane (gamma) (trans)","0.020","g/l","U","0.016","MDL","TARGET","0.020","RDL","YES","-99",,"990","10","0.020",
"TF1-GT-112-090117","SW846 8081B","RES","SC38778-09","ESAI","53494-70-5","Endrin ketone","0.020","g/l","U","0.017","MDL","TARGET","0.040","RDL","YES","-99",,"990","10","0.020",
"TF1-GT-112-090117","SW846 8081B","RES","SC38778-09","ESAI","57-74-9","Chlordane","0.066","g/l","U","0.052","MDL","TARGET","0.066","RDL","YES","-99",,"990","10","0.066"

"TF1-GT-112-090117","SW846 8081B","RES","SC38778-09","ESAI","58-89-9","gamma-BHC (Lindane)","0.020","g/l","U","0.017","MDL","TARGET","0.020","RDL","YES","-99","990","10","0.020",
"TF1-GT-112-090117","SW846 8081B","RES","SC38778-09","ESAI","60-57-1","Dieldrin","0.020","g/l","U","0.017","MDL","TARGET","0.020","RDL","YES","-99","990","10","0.020",
"TF1-GT-112-090117","SW846 8081B","RES","SC38778-09","ESAI","72-20-8","Endrin","0.020","g/l","U","0.019","MDL","TARGET","0.040","RDL","YES","-99","990","10","0.020",
"TF1-GT-112-090117","SW846 8081B","RES","SC38778-09","ESAI","72-43-5","Methoxychlor","0.020","g/l","U","0.018","MDL","TARGET","0.040","RDL","YES","-99","990","10","0.020",
"TF1-GT-112-090117","SW846 8081B","RES","SC38778-09","ESAI","72-54-8","4,4'-DDD (p,p')","0.020","g/l","U","0.019","MDL","TARGET","0.040","RDL","YES","-99","990","10","0.020",
"TF1-GT-112-090117","SW846 8081B","RES","SC38778-09","ESAI","72-55-9","4,4'-DDE (p,p')","0.020","g/l","U","0.018","MDL","TARGET","0.020","RDL","YES","-99","990","10","0.020",
"TF1-GT-112-090117","SW846 8081B","RES","SC38778-09","ESAI","7421-93-4","Endrin aldehyde","0.020","g/l","U","0.019","MDL","TARGET","0.040","RDL","YES","-99","990","10","0.020",
"TF1-GT-112-090117","SW846 8081B","RES","SC38778-09","ESAI","76-44-8","Heptachlor","0.020","g/l","U","0.020","MDL","TARGET","0.020","RDL","YES","-99","990","10","0.020",
"TF1-GT-112-090117","SW846 8081B","RES","SC38778-09","ESAI","8001-35-2","Toxaphene","0.505","g/l","U","0.331","MDL","TARGET","0.505","RDL","YES","-99","990","10","0.505",
"TF1-GT-112-090117","SW846 8081B","RES","SC38778-09","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS)","0.020","g/ml","-99","NA","ISTD","100","-99","NA","YES","10.0","990","10","-99",
"TF1-GT-112-090117","SW846 8081B","RES","SC38778-09","ESAI","959-98-8","Endosulfan I","0.020","g/l","U","0.016","MDL","TARGET","0.020","RDL","YES","-99","990","10","0.020",
"TF1-GT-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","ESAI","17060-07-0","1,2-Dichloroethane-d4","51.6","g/l","-99","NA","SUR","103","-99","NA","YES","50.0","5","5","-99",
"TF1-GT-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","ESAI","1868-53-7","Dibromofluoromethane","50.3","g/l","-99","NA","SUR","101","-99","NA","YES","50.0","5","5","-99",
"TF1-GT-112-090117","SW846 8260C","RES","SC38778-09","ESAI","2037-26-5","Toluene-d8","48.0","g/l","-99","NA","SUR","96","-99","NA","YES","50.0","5","5","-99",
"TF1-GT-112-090117","SW846 8260C","RES","SC38778-09","ESAI","3114-55-4","Chlorobenzene-d5","50.0","g/l","-99","NA","ISTD","102","-99","NA","YES","50.0","5","5","-99",
"TF1-GT-112-090117","SW846 8260C","RES","SC38778-09","ESAI","3855-82-1","1,4-Dichlorobenzene-d4","50.0","g/l","-99","NA","ISTD","99","-99","NA","YES","50.0","5","5","-99",
"TF1-GT-112-090117","SW846 8260C","RES","SC38778-09","ESAI","460-00-4","4-Bromofluorobenzene","49.2","g/l","-99","NA","SUR","98","-99","NA","YES","50.0","5","5","-99",
"TF1-GT-112-090117","SW846 8260C","RES","SC38778-09","ESAI","462-06-6","Fluorobenzene","50.0","g/l","-99","NA","ISTD","104","-99","NA","YES","50.0","5","5","-99",
"TF1-GT-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","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-112-090117","SW846 8260C","RES","SC38778-09","ESAI","98-82-
8","Isopropylbenzene","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-112-090117","SW846 8270D","RES","SC38778-09","ESAI","1146-65-2","Naphthalene-
d8","40.0","g/ml","-99","NA","ISTD","177","-99","NA","YES","40.0","980","1","-99",
"TF1-GT-112-090117","SW846 8270D","RES","SC38778-09","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-112-090117","SW846 8270D","RES","SC38778-09","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-112-090117","SW846 8270D","RES","SC38778-09","ESAI","15067-26-2","Acenaphthene-
d10","40.0","g/ml","-99","NA","ISTD","186","-99","NA","YES","40.0","980","1","-99",
"TF1-GT-112-090117","SW846 8270D","RES","SC38778-09","ESAI","1517-22-2","Phenanthrene-
d10","40.0","g/ml","-99","NA","ISTD","175","-99","NA","YES","40.0","980","1","-99",
"TF1-GT-112-090117","SW846 8270D","RES","SC38778-09","ESAI","1520-96-3","Perylene-
d12","40.0","g/ml","-99","NA","ISTD","164","-99","NA","YES","40.0","980","1","-99",
"TF1-GT-112-090117","SW846 8270D","RES","SC38778-09","ESAI","1718-51-0","Terphenyl-
dl4","45.3","g/l","-99","NA","SUR","89","-99","NA","YES","51.0","980","1","-99",
"TF1-GT-112-090117","SW846 8270D","RES","SC38778-09","ESAI","1719-03-5","Chrysene-
d12","40.0","g/ml","-99","NA","ISTD","162","-99","NA","YES","40.0","980","1","-99",
"TF1-GT-112-090117","SW846 8270D","RES","SC38778-09","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-112-090117","SW846 8270D","RES","SC38778-09","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-112-090117","SW846 8270D","RES","SC38778-09","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-112-090117","SW846 8270D","RES","SC38778-09","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-112-090117","SW846 8270D","RES","SC38778-09","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-112-090117","SW846 8270D","RES","SC38778-09","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-112-090117","SW846 8270D","RES","SC38778-09","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-112-090117","SW846 8270D","RES","SC38778-09","ESAI","321-60-8","2-
Fluorobiphenyl","23.6","g/l",-99,"NA","SUR","46",-99,"NA","YES","51.0","980","1",-99",
"TF1-GT-112-090117","SW846 8270D","RES","SC38778-09","ESAI","4165-60-0","Nitrobenzene-
d5","24.2","g/l",-99,"NA","SUR","47",-99,"NA","YES","51.0","980","1",-99",
"TF1-GT-112-090117","SW846 8270D","RES","SC38778-09","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-112-090117","SW846 8270D","RES","SC38778-09","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-112-090117","SW846 8270D","RES","SC38778-09","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-112-090117","SW846 8270D","RES","SC38778-09","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-112-090117","SW846 8270D","RES","SC38778-09","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-112-090117","SW846 8270D","RES","SC38778-09","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-112-090117","SW846 8270D","RES","SC38778-09","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-112-090117","SW846 8270D","RES","SC38778-09","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-112-090117","SW846 8270D","RES","SC38778-09","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-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","1024-57-3","Heptachlor
epoxide","0.020","g/l","U","0.016","MDL","TARGET",,"0.020","RDL","YES",-99,"TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","1024-57-3","Heptachlor epoxide
[2C]","0.020","g/l","U","0.015","MDL","TARGET",,"0.020","RDL","YES",-99,"TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","1031-07-8","Endosulfan
sulfate","0.020","g/l","U","0.020","MDL","TARGET",,"0.041","RDL","YES",-99,"TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","1031-07-8","Endosulfan sulfate
[2C]","0.020","g/l","U","0.017","MDL","TARGET",,"0.041","RDL","YES",-99,"TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","10386-84-2","4,4-DB-
Octafluorobiphenyl (Sr)","0.230","g/l",-99,"NA","SUR","113",-99,"NA","YES","0.204","TF1-GT-112-
090117","980","10",-99",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","10386-84-2","4,4-DB-
Octafluorobiphenyl (Sr) [2C]","0.172","g/l",-99,"NA","SUR","84",-99,"NA","YES","0.204","TF1-GT-
112-090117","980","10",-99",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","15972-60-
8","Alachlor","0.020","g/l","U","0.019","MDL","TARGET",,"0.020","RDL","YES",-99,"TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","15972-60-8","Alachlor
[2C]","0.020","g/l","U","0.018","MDL","TARGET",,"0.020","RDL","YES",-99,"TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","2051-24-3","Decachlorobiphenyl
(Sr)","0.146","g/l",-99,"NA","SUR","72",-99,"NA","YES","0.204","TF1-GT-112-
090117","980","10",-99",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","2051-24-3","Decachlorobiphenyl
(Sr) [2C]","0.157","g/l",-99,"NA","SUR","77",-99,"NA","YES","0.204","TF1-GT-112-
090117","980","10",-99",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","309-00-
2","Aldrin","0.020","g/l","U","0.016","MDL","TARGET",,"0.020","RDL","YES",-99,"TF1-GT-112-

090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","309-00-2","Aldrin
[2C]","0.020","◆g/l","U","0.019","MDL","TARGET","0.020","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","319-84-6","alpha-
BHC","0.020","◆g/l","U","0.012","MDL","TARGET","0.020","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","319-84-6","alpha-BHC
[2C]","0.020","◆g/l","U","0.018","MDL","TARGET","0.020","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","319-85-7","beta-
BHC","0.020","◆g/l","U","0.015","MDL","TARGET","0.020","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","319-85-7","beta-BHC
[2C]","0.020","◆g/l","U","0.019","MDL","TARGET","0.020","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","319-86-8","delta-
BHC","0.020","◆g/l","U","0.016","MDL","TARGET","0.020","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","319-86-8","delta-BHC
[2C]","0.020","◆g/l","U","0.020","MDL","TARGET","0.020","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","33213-65-9","Endosulfan
II","0.020","◆g/l","U","0.020","MDL","TARGET","0.041","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","33213-65-9","Endosulfan II
[2C]","0.020","◆g/l","U","0.016","MDL","TARGET","0.041","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","50-29-3","4,4'-DDT
(p,p')","0.031","◆g/l","U","0.018","MDL","TARGET","0.041","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.031",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","50-29-3","4,4'-DDT (p,p')
[2C]","0.031","◆g/l","U","0.022","MDL","TARGET","0.041","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.031",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","5103-71-9","alpha-
Chlordane","0.020","◆g/l","U","0.016","MDL","TARGET","0.020","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","5103-71-9","alpha-Chlordane
[2C]","0.020","◆g/l","U","0.017","MDL","TARGET","0.020","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","5103-74-2","Chlordane (gamma)
(trans)","0.020","◆g/l","U","0.016","MDL","TARGET","0.020","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","5103-74-2","Chlordane (gamma)
(trans) [2C]","0.020","◆g/l","U","0.014","MDL","TARGET","0.020","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","53494-70-5","Endrin
ketone","0.020","◆g/l","U","0.018","MDL","TARGET","0.041","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","53494-70-5","Endrin ketone
[2C]","0.020","◆g/l","U","0.018","MDL","TARGET","0.041","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","57-74-
9","Chlordane","0.066","◆g/l","U","0.052","MDL","TARGET","0.066","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.066",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","57-74-9","Chlordane
[2C]","0.066","◆g/l","U","0.063","MDL","TARGET","0.066","RDL","YES","-99","TF1-GT-112-

090117","980","10","0.066",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","58-89-9","gamma-BHC
(Lindane)","0.020","g/l","U","0.018","MDL","TARGET","0.020","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","58-89-9","gamma-BHC (Lindane)
[2C]","0.020","g/l","U","0.018","MDL","TARGET","0.020","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","60-57-
1","Dieldrin","0.020","g/l","U","0.017","MDL","TARGET","0.020","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","60-57-1","Dieldrin
[2C]","0.020","g/l","U","0.019","MDL","TARGET","0.020","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","72-20-
8","Endrin","0.020","g/l","U","0.020","MDL","TARGET","0.041","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","72-20-8","Endrin
[2C]","0.020","g/l","U","0.020","MDL","TARGET","0.041","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","72-43-
5","Methoxychlor","0.020","g/l","U","0.019","MDL","TARGET","0.041","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","72-43-5","Methoxychlor
[2C]","0.020","g/l","U","0.019","MDL","TARGET","0.041","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","72-54-8","4,4'-DDD
(p,p')","0.020","g/l","U","0.019","MDL","TARGET","0.041","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","72-54-8","4,4'-DDD (p,p')
[2C]","0.020","g/l","U","0.018","MDL","TARGET","0.041","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","72-55-9","4,4'-DDE
(p,p')","0.020","g/l","U","0.018","MDL","TARGET","0.020","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","72-55-9","4,4'-DDE (p,p')
[2C]","0.020","g/l","U","0.018","MDL","TARGET","0.020","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","7421-93-4","Endrin
aldehyde","0.020","g/l","U","0.020","MDL","TARGET","0.041","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","7421-93-4","Endrin aldehyde
[2C]","0.020","g/l","U","0.018","MDL","TARGET","0.041","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","76-44-
8","Heptachlor","0.020","g/l","U","0.020","MDL","TARGET","0.020","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","76-44-8","Heptachlor
[2C]","0.020","g/l","U","0.020","MDL","TARGET","0.020","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","8001-35-
2","Toxaphene","0.510","g/l","U","0.335","MDL","TARGET","0.510","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.510",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","8001-35-2","Toxaphene
[2C]","0.510","g/l","U","0.293","MDL","TARGET","0.510","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.510",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","877-09-8","2,4,5,6-TC-M-Xylene
(IS)","0.020","g/ml","-99","NA","ISTD","84","-99","NA","YES","10.0","TF1-GT-112-

090117","980","10","-99",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","877-09-8","2,4,5,6-TC-M-Xylene
(IS) [2C]","0.020","◆g/ml","-99","NA","ISTD","111","-99","NA","YES","10.0","TF1-GT-112-
090117","980","10","-99",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","959-98-8","Endosulfan
I","0.020","◆g/l","U","0.017","MDL","TARGET","0.020","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-112-090117DUP","SW846 8081B","RES","1715315-DUP1","ESAI","959-98-8","Endosulfan I
[2C]","0.020","◆g/l","U","0.016","MDL","TARGET","0.020","RDL","YES","-99","TF1-GT-112-
090117","980","10","0.020",
"TF1-GT-120-090117","EPA 200/6000 methods","RES","SC38778-
10","ESAI","NA","Preservation","0","N/A","-99","NA","TARGET","-99","NA","YES","-99","1","1","-99","Field
Preserved; pH<2 confirmed"
"TF1-GT-120-090117","EPA 245.1/7470A","RES","SC38778-10","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-120-090117","EPA 300.0","RES","SC38778-10","ESAI","14797-55-8","Nitrate as
N","0.100","mg/l","U","0.009","MDL","TARGET","0.100","RDL","YES","-99","5","5","0.100",
"TF1-GT-120-090117","EPA 300.0","RES","SC38778-10","ESAI","14808-79-8","Sulfate as
SO4","2.64","mg/l","0.307","MDL","TARGET","1.00","RDL","YES","-99","5","5","1.00",
"TF1-GT-120-090117","EPA 300.0","RES","SC38778-10","ESAI","16887-00-
6","Chloride","5.21","mg/l","0.0897","MDL","TARGET","1.00","RDL","YES","-99","5","5","0.100",
"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","1763-23-1","Perfluoro-
octanesulfonate","3","ng/l","Ja","2","MDL","TARGET","6","RDL","YES","-99","-99",
"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","1763-23-1L","13C8-
PFOS","32","ng/l","-99","NA","SUR","67","-99","NA","YES","48","-99",
"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","2058-94-8","Perfluoroundecanoic
acid","0","ng/l","1","MDL","TARGET","3","RDL","YES","-99","-99","<"
"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","2058-94-8L","13C7-
PFUnDA","27","ng/l","-99","NA","SUR","54","-99","NA","YES","50","-99",
"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","2706-90-3","Perfluoropentanoic
Acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<"
"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","2706-90-3L","13C5-
PFPeA","45","ng/l","-99","NA","SUR","91","-99","NA","YES","50","-99",
"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","307-24-4","Perfluorohexanoic
acid","0","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99","<"
"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","307-24-4L","13C5-
PFHxA","37","ng/l","-99","NA","SUR","75","-99","NA","YES","50","-99",
"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","307-55-1","Perfluorododecanoic
acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<"
"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","307-55-1L","13C2-
PFDoDA","22","ng/l","-99","NA","SUR","44","-99","NA","YES","50","-99",
"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","335-67-1","Perfluorooctanoic
acid","4","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99",
"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","335-67-1L","13C8-
PFOA","34","ng/l","-99","NA","SUR","69","-99","NA","YES","50","-99",
"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","335-76-2","Perfluorodecanoic
acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<"
"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","335-76-2L","13C6-
PFDA","32","ng/l","-99","NA","SUR","64","-99","NA","YES","50","-99",
"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","335-77-
3","Perfluorodecanesulfonate","0","ng/l","2","MDL","TARGET","6","RDL","YES","-99","-99","<"
"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","355-46-
4","Perfluorohexanesulfonate","0","ng/l","1","MDL","TARGET","3","RDL","YES","-99","-99","<"
"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","355-46-4L","13C3-
PFHxS","28","ng/l","-99","NA","SUR","60","-99","NA","YES","47","-99",
"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","375-22-4","Perfluorobutanoic

Acid","0","ng/l","3","MDL","TARGET",,"10","RDL","YES",-99",,"-99",,"<"

"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","375-22-4L","13C4-PFBA","34","ng/l",,"-99","NA",,"SUR","69",,"-99","NA","YES","50",,"-99",

"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","375-73-5","Perfluorobutanesulfonate","0","ng/l",,"0.8","MDL","TARGET",,"3","RDL","YES",-99",,"-99",,"<"

"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","375-73-5L","13C3-PFBS","41","ng/l",,"-99","NA",,"SUR","88",,"-99","NA","YES","46",,"-99",

"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","375-85-9","Perfluoroheptanoic acid","0","ng/l",,"0.5","MDL","TARGET",,"2","RDL","YES",-99",,"-99",,"<"

"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","375-85-9L","13C4-PFHpA","36","ng/l",,"-99","NA",,"SUR","73",,"-99","NA","YES","50",,"-99",

"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","375-92-8","Perfluoroheptanesulfonate","0","ng/l",,"2","MDL","TARGET",,"6","RDL","YES",-99",,"-99",,"<"

"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","375-95-1","Perfluorononanoic acid","0","ng/l",,"0.6","MDL","TARGET",,"2","RDL","YES",-99",,"-99",,"<"

"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","375-95-1L","13C9-PFNA","32","ng/l",,"-99","NA",,"SUR","64",,"-99","NA","YES","50",,"-99",

"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","376-06-7","Perfluorotetradecanoic acid","0","ng/l",,"0.5","MDL","TARGET",,"2","RDL","YES",-99",,"-99",,"<"

"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","376-06-7L","13C2-PFTeDA","21","ng/l",,"-99","NA",,"SUR","43",,"-99","NA","YES","50",,"-99",

"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","72629-94-8","Perfluorotridecanoic acid","0","ng/l",,"0.5","MDL","TARGET",,"2","RDL","YES",-99",,"-99",,"<"

"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","754-91-6","PFOSA","0","ng/l",,"3","MDL","TARGET",,"9","RDL","YES",-99",,"-99",,"<"

"TF1-GT-120-090117","EPA 537 Modified","RES","SC38778-10","ESAI","754-91-6L","13C8-PFOA","19","ng/l",,"-99","NA",,"SUR","37",,"-99","NA","YES","50",,"-99",

"TF1-GT-120-090117","Mod EPA 3C/SOP RSK-175","RES","SC38778-10","ESAI","74-82-8","Methane","410",,"g/l",,"2.16","MDL","TARGET",,"2.20","RDL","YES",-99",,"10","10","2.20",

"TF1-GT-120-090117","Mod EPA 3C/SOP RSK-175","RES","SC38778-10","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-120-090117","SM18-22 5210B","RES","SC38778-10","ESAI","NA","Biochemical Oxygen Demand (5-day)","38.0","mg/l","BOD4","2.74","MDL","TARGET",,"30.0","RDL","YES",-99",,"300","300","2.97",

"TF1-GT-120-090117","SM2320B (97, 11)","RES","SC38778-10","ESAI","NA","Total Alkalinity","171","mg/l CaCO3",,"0.524","MDL","TARGET",,"2.00","RDL","YES",-99",,"100","50","1.50",

"TF1-GT-120-090117","SM5310B (00, 11)","RES","SC38778-10","ESAI","NA","Total Organic Carbon","4.25","mg/l",,"0.238","MDL","TARGET",,"1.00","RDL","YES",-99",,"40","40","0.500",

"TF1-GT-120-090117","SW846 6010C","RES","SC38778-10","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-120-090117","SW846 6010C","RES","SC38778-10","ESAI","7439-89-6","Iron","18.0","mg/l",,"R06","0.0089","MDL","TARGET",,"0.0800","RDL","YES",-99",,"50","50","0.0300",

"TF1-GT-120-090117","SW846 6010C","RES","SC38778-10","ESAI","7439-95-4","Magnesium","1.64","mg/l",,"0.0088","MDL","TARGET",,"0.0200","RDL","YES",-99",,"50","50","0.0100",

"TF1-GT-120-090117","SW846 6010C","RES","SC38778-10","ESAI","7440-09-7","Potassium","2.47","mg/l",,"0.120","MDL","TARGET",,"1.00","RDL","YES",-99",,"50","50","0.250",

"TF1-GT-120-090117","SW846 6010C","RES","SC38778-10","ESAI","7440-23-5","Sodium","4.28","mg/l",,"0.0785","MDL","TARGET",,"0.500","RDL","YES",-99",,"50","50","0.250",

"TF1-GT-120-090117","SW846 6010C","RES","SC38778-10","ESAI","7440-70-2","Calcium","60.2","mg/l",,"0.0142","MDL","TARGET",,"0.200","RDL","YES",-99",,"50","50","0.0500",

"TF1-GT-120-090117","SW846 6020A","RES","SC38778-10","ESAI","7439-92-1","Lead","0.0013","mg/l",,"Ja","0.00011","MDL","TARGET",,"0.0020","RDL","YES",-99",,"-99",

"TF1-GT-120-090117","SW846 6020A","RES","SC38778-10","ESAI","7439-96-5","Manganese","2.80","mg/l",,"0.00090","MDL","TARGET",,"0.0040","RDL","YES",-99",,"-99",

"TF1-GT-120-090117","SW846 6020A","RES","SC38778-10","ESAI","7439-98-7","Molybdenum","0.00097","mg/l",,"Ja","0.00025","MDL","TARGET",,"0.0010","RDL","YES",-99",,"-99",

"TF1-GT-120-090117","SW846 6020A","RES","SC38778-10","ESAI","7440-02-

0","Nickel","0.0011","mg/l","Ja","0.0010","MDL","TARGET","0.0040","RDL","YES","-99","-99",
"TF1-GT-120-090117","SW846 6020A","RES","SC38778-10","ESAI","7440-22-
4","Silver","0","mg/l","0.00015","MDL","TARGET","0.0010","RDL","YES","-99","-99","<"
"TF1-GT-120-090117","SW846 6020A","RES","SC38778-10","ESAI","7440-28-
0","Thallium","0","mg/l","0.00012","MDL","TARGET","0.0010","RDL","YES","-99","-99","<"
"TF1-GT-120-090117","SW846 6020A","RES","SC38778-10","ESAI","7440-36-
0","Antimony","0","mg/l","0.00045","MDL","TARGET","0.0020","RDL","YES","-99","-99","<"
"TF1-GT-120-090117","SW846 6020A","RES","SC38778-10","ESAI","7440-38-
2","Arsenic","0.0048","mg/l","0.00072","MDL","TARGET","0.0040","RDL","YES","-99","-99",
"TF1-GT-120-090117","SW846 6020A","RES","SC38778-10","ESAI","7440-39-
3","Barium","0.0172","mg/l","0.00072","MDL","TARGET","0.0040","RDL","YES","-99","-99",
"TF1-GT-120-090117","SW846 6020A","RES","SC38778-10","ESAI","7440-41-
7","Beryllium","0","mg/l","0.000071","MDL","TARGET","0.0010","RDL","YES","-99","-99","<"
"TF1-GT-120-090117","SW846 6020A","RES","SC38778-10","ESAI","7440-43-
9","Cadmium","0","mg/l","0.00015","MDL","TARGET","0.0010","RDL","YES","-99","-99","<"
"TF1-GT-120-090117","SW846 6020A","RES","SC38778-10","ESAI","7440-47-
3","Chromium","0","mg/l","0.00087","MDL","TARGET","0.0040","RDL","YES","-99","-99","<"
"TF1-GT-120-090117","SW846 6020A","RES","SC38778-10","ESAI","7440-48-
4","Cobalt","0.0128","mg/l","0.00016","MDL","TARGET","0.0010","RDL","YES","-99","-99",
"TF1-GT-120-090117","SW846 6020A","RES","SC38778-10","ESAI","7440-50-
8","Copper","0.0028","mg/l","Ja","0.00054","MDL","TARGET","0.0040","RDL","YES","-99","-99",
"TF1-GT-120-090117","SW846 6020A","RES","SC38778-10","ESAI","7440-62-
2","Vanadium","0","mg/l","0.00021","MDL","TARGET","0.0010","RDL","YES","-99","-99","<"
"TF1-GT-120-090117","SW846 6020A","RES","SC38778-10","ESAI","7440-66-
6","Zinc","0.0331","mg/l","0.0039","MDL","TARGET","0.0300","RDL","YES","-99","-99",
"TF1-GT-120-090117","SW846 6020A","RES","SC38778-10","ESAI","7782-49-
2","Selenium","0","mg/l","0.00050","MDL","TARGET","0.0040","RDL","YES","-99","-99","<"
"TF1-GT-120-090117","SW-846 8015B","RES","SC38778-10","ESAI","108-90-
7","Chlorobenzene","0.011","mg/l","-99","NA","SUR","90","-99","NA","YES","0.012","-99",
"TF1-GT-120-090117","SW-846 8015B","RES","SC38778-10","ESAI","84-15-
1","Orthoterphenyl","0.011","mg/l","-99","NA","SUR","86","-99","NA","YES","0.012","-99",
"TF1-GT-120-090117","SW-846 8015B","RES","SC38778-10","ESAI","PHCC8C44","C8-
C44","0.42","mg/l","0.051","MDL","TARGET","0.20","RDL","YES","-99","-99",
"TF1-GT-120-090117","SW-846 8015B","RES","SC38778-10","ESAI","PHCE","Total
TPH","0.42","mg/l","0.051","MDL","TARGET","0.20","RDL","YES","-99","-99",
"TF1-GT-120-090117","SW846 8081B","RES","SC38778-10","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-GT-120-090117","SW846 8081B","RES","SC38778-10","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-GT-120-090117","SW846 8081B","RES","SC38778-10","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl
(Sr)","0.188","g/l","-99","NA","SUR","98","-99","NA","YES","0.192","1040","10","-99",
"TF1-GT-120-090117","SW846 8081B","RES","SC38778-10","ESAI","15972-60-
8","Alachlor","0.019","g/l","U","0.018","MDL","TARGET","0.019","RDL","YES","-99","1040","10","0.019",
"TF1-GT-120-090117","SW846 8081B","RES","SC38778-10","ESAI","2051-24-3","Decachlorobiphenyl
(Sr)","0.152","g/l","-99","NA","SUR","79","-99","NA","YES","0.192","1040","10","-99",
"TF1-GT-120-090117","SW846 8081B","RES","SC38778-10","ESAI","309-00-
2","Aldrin","0.019","g/l","U","0.015","MDL","TARGET","0.019","RDL","YES","-99","1040","10","0.019",
"TF1-GT-120-090117","SW846 8081B","RES","SC38778-10","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-GT-120-090117","SW846 8081B","RES","SC38778-10","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-GT-120-090117","SW846 8081B","RES","SC38778-10","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-GT-120-090117","SW846 8081B","RES","SC38778-10","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-GT-120-090117","SW846 8081B","RES","SC38778-10","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-GT-120-090117","SW846 8081B","RES","SC38778-10","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-GT-120-090117","SW846 8081B","RES","SC38778-10","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-GT-120-090117","SW846 8081B","RES","SC38778-10","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-GT-120-090117","SW846 8081B","RES","SC38778-10","ESAI","57-74-9","Chlordane","0.063","g/l","U","0.049","MDL","TARGET","0.063","RDL","YES","-99","1040","10","0.063",
"TF1-GT-120-090117","SW846 8081B","RES","SC38778-10","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-GT-120-090117","SW846 8081B","RES","SC38778-10","ESAI","60-57-1","Dieldrin","0.019","g/l","U","0.016","MDL","TARGET","0.019","RDL","YES","-99","1040","10","0.019",
"TF1-GT-120-090117","SW846 8081B","RES","SC38778-10","ESAI","72-20-8","Endrin","0.019","g/l","U","0.018","MDL","TARGET","0.038","RDL","YES","-99","1040","10","0.019",
"TF1-GT-120-090117","SW846 8081B","RES","SC38778-10","ESAI","72-43-5","Methoxychlor","0.019","g/l","U","0.018","MDL","TARGET","0.038","RDL","YES","-99","1040","10","0.019",
"TF1-GT-120-090117","SW846 8081B","RES","SC38778-10","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-GT-120-090117","SW846 8081B","RES","SC38778-10","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-GT-120-090117","SW846 8081B","RES","SC38778-10","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-GT-120-090117","SW846 8081B","RES","SC38778-10","ESAI","76-44-8","Heptachlor","0.019","g/l","U","0.019","MDL","TARGET","0.019","RDL","YES","-99","1040","10","0.019",
"TF1-GT-120-090117","SW846 8081B","RES","SC38778-10","ESAI","8001-35-2","Toxaphene","0.481","g/l","U","0.315","MDL","TARGET","0.481","RDL","YES","-99","1040","10","0.481",
"TF1-GT-120-090117","SW846 8081B","RES","SC38778-10","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS)","0.020","g/ml","-99","NA","ISTD","100","-99","NA","YES","10.0","1040","10","-99",
"TF1-GT-120-090117","SW846 8081B","RES","SC38778-10","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-GT-120-090117","SW846 8260C","RES","SC38778-10","ESAI","100-41-4","Ethylbenzene","6.8","g/l","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-GT-120-090117","SW846 8260C","RES","SC38778-10","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-120-090117","SW846 8260C","RES","SC38778-10","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-120-090117","SW846 8260C","RES","SC38778-10","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-120-090117","SW846 8260C","RES","SC38778-10","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-120-090117","SW846 8260C","RES","SC38778-10","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-120-090117","SW846 8260C","RES","SC38778-10","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-120-090117","SW846 8260C","RES","SC38778-10","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-120-090117","SW846 8260C","RES","SC38778-10","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-120-090117","SW846 8260C","RES","SC38778-10","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-120-090117","SW846 8260C","RES","SC38778-10","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-120-090117","SW846 8260C","RES","SC38778-10","ESAI","110-82-

7", "Cyclohexane", "0.8", "g/l", "J", "0.8", "MDL", "TARGET", "5.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-GT-120-090117", "SW846 8260C", "RES", "SC38778-10", "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-120-090117", "SW846 8260C", "RES", "SC38778-10", "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-120-090117", "SW846 8260C", "RES", "SC38778-10", "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-120-090117", "SW846 8260C", "RES", "SC38778-10", "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-120-090117", "SW846 8260C", "RES", "SC38778-10", "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-120-090117", "SW846 8260C", "RES", "SC38778-10", "ESAI", "1634-04-4", "Methyl tert-butyl
ether", "1.3", "g/l", "0.2", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-GT-120-090117", "SW846 8260C", "RES", "SC38778-10", "ESAI", "17060-07-0", "1,2-Dichloroethane-
d4", "50.0", "g/l", "-99", "NA", "SUR", "100", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-GT-120-090117", "SW846 8260C", "RES", "SC38778-10", "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-120-090117", "SW846 8260C", "RES", "SC38778-10", "ESAI", "1868-53-
7", "Dibromofluoromethane", "48.0", "g/l", "-99", "NA", "SUR", "96", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-GT-120-090117", "SW846 8260C", "RES", "SC38778-10", "ESAI", "2037-26-5", "Toluene-
d8", "47.9", "g/l", "-99", "NA", "SUR", "96", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-GT-120-090117", "SW846 8260C", "RES", "SC38778-10", "ESAI", "3114-55-4", "Chlorobenzene-
d5", "50.0", "g/l", "-99", "NA", "ISTD", "109", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-GT-120-090117", "SW846 8260C", "RES", "SC38778-10", "ESAI", "3855-82-1", "1,4-Dichlorobenzene-
d4", "50.0", "g/l", "-99", "NA", "ISTD", "100", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-GT-120-090117", "SW846 8260C", "RES", "SC38778-10", "ESAI", "460-00-4", "4-
Bromofluorobenzene", "45.5", "g/l", "-99", "NA", "SUR", "91", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-GT-120-090117", "SW846 8260C", "RES", "SC38778-10", "ESAI", "462-06-
6", "Fluorobenzene", "50.0", "g/l", "-99", "NA", "ISTD", "116", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-GT-120-090117", "SW846 8260C", "RES", "SC38778-10", "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-120-090117", "SW846 8260C", "RES", "SC38778-10", "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-120-090117", "SW846 8260C", "RES", "SC38778-10", "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-120-090117", "SW846 8260C", "RES", "SC38778-10", "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-120-090117", "SW846 8260C", "RES", "SC38778-10", "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-120-090117", "SW846 8260C", "RES", "SC38778-10", "ESAI", "71-43-
2", "Benzene", "1.1", "g/l", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-GT-120-090117", "SW846 8260C", "RES", "SC38778-10", "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-120-090117", "SW846 8260C", "RES", "SC38778-10", "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-120-090117", "SW846 8260C", "RES", "SC38778-10", "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-120-090117", "SW846 8260C", "RES", "SC38778-10", "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-120-090117", "SW846 8260C", "RES", "SC38778-10", "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-120-090117", "SW846 8260C", "RES", "SC38778-10", "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-120-090117", "SW846 8260C", "RES", "SC38778-10", "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-120-090117", "SW846 8260C", "RES", "SC38778-10", "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-120-090117","SW846 8260C","RES","SC38778-10","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-120-090117","SW846 8260C","RES","SC38778-10","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-120-090117","SW846 8260C","RES","SC38778-10","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-120-090117","SW846 8260C","RES","SC38778-10","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-120-090117","SW846 8260C","RES","SC38778-10","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-120-090117","SW846 8260C","RES","SC38778-10","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-120-090117","SW846 8260C","RES","SC38778-10","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-120-090117","SW846 8260C","RES","SC38778-10","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-120-090117","SW846 8260C","RES","SC38778-10","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-120-090117","SW846 8260C","RES","SC38778-10","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-120-090117","SW846 8260C","RES","SC38778-10","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-120-090117","SW846 8260C","RES","SC38778-10","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-120-090117","SW846 8260C","RES","SC38778-10","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-120-090117","SW846 8260C","RES","SC38778-10","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-120-090117","SW846 8260C","RES","SC38778-10","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-120-090117","SW846 8260C","RES","SC38778-10","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-120-090117","SW846 8260C","RES","SC38778-10","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-120-090117","SW846 8260C","RES","SC38778-10","ESAI","98-82-8","Isopropylbenzene","2.8","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
 "TF1-GT-120-090117","SW846 8270D","RES","SC38778-10","ESAI","1146-65-2","Naphthalene-d8","40.0","g/ml","-99","NA","ISTD","153","-99","NA","YES","40.0","1030","1","-99",
 "TF1-GT-120-090117","SW846 8270D","RES","SC38778-10","ESAI","120-12-7","Anthracene","0.971","g/l","U","0.590","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
 "TF1-GT-120-090117","SW846 8270D","RES","SC38778-10","ESAI","129-00-0","Pyrene","0.971","g/l","U","0.592","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
 "TF1-GT-120-090117","SW846 8270D","RES","SC38778-10","ESAI","15067-26-2","Acenaphthene-d10","40.0","g/ml","-99","NA","ISTD","179","-99","NA","YES","40.0","1030","1","-99",
 "TF1-GT-120-090117","SW846 8270D","RES","SC38778-10","ESAI","1517-22-2","Phenanthrene-d10","40.0","g/ml","-99","NA","ISTD","165","-99","NA","YES","40.0","1030","1","-99",
 "TF1-GT-120-090117","SW846 8270D","RES","SC38778-10","ESAI","1520-96-3","Perylene-d12","40.0","g/ml","-99","NA","ISTD","157","-99","NA","YES","40.0","1030","1","-99",
 "TF1-GT-120-090117","SW846 8270D","RES","SC38778-10","ESAI","1718-51-0","Terphenyl-d14","40.8","g/l","-99","NA","SUR","84","-99","NA","YES","48.5","1030","1","-99",
 "TF1-GT-120-090117","SW846 8270D","RES","SC38778-10","ESAI","1719-03-5","Chrysene-d12","40.0","g/ml","-99","NA","ISTD","143","-99","NA","YES","40.0","1030","1","-99",
 "TF1-GT-120-090117","SW846 8270D","RES","SC38778-10","ESAI","191-24-2","Benzo (g,h,i) perylene","0.971","g/l","U","0.515","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
 "TF1-GT-120-090117","SW846 8270D","RES","SC38778-10","ESAI","193-39-5","Indeno (1,2,3-cd) pyrene","0.971","g/l","U","0.563","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-GT-120-090117","SW846 8270D","RES","SC38778-10","ESAI","205-99-2","Benzo (b) fluoranthene","0.971","g/l","U","0.424","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-GT-120-090117","SW846 8270D","RES","SC38778-10","ESAI","206-44-0","Fluoranthene","0.971","g/l","U","0.619","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-GT-120-090117","SW846 8270D","RES","SC38778-10","ESAI","207-08-9","Benzo (k) fluoranthene","0.971","g/l","U","0.466","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-GT-120-090117","SW846 8270D","RES","SC38778-10","ESAI","208-96-8","Acenaphthylene","0.971","g/l","U","0.663","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-GT-120-090117","SW846 8270D","RES","SC38778-10","ESAI","218-01-9","Chrysene","0.971","g/l","U","0.517","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-GT-120-090117","SW846 8270D","RES","SC38778-10","ESAI","321-60-8","2-Fluorobiphenyl","21.2","g/l","-99","NA","SUR","44","-99","NA","YES","48.5","1030","1","-99",
"TF1-GT-120-090117","SW846 8270D","RES","SC38778-10","ESAI","4165-60-0","Nitrobenzene-d5","25.1","g/l","-99","NA","SUR","52","-99","NA","YES","48.5","1030","1","-99",
"TF1-GT-120-090117","SW846 8270D","RES","SC38778-10","ESAI","50-32-8","Benzo (a) pyrene","0.971","g/l","U","0.546","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-GT-120-090117","SW846 8270D","RES","SC38778-10","ESAI","53-70-3","Dibenzo (a,h) anthracene","0.971","g/l","U","0.437","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-GT-120-090117","SW846 8270D","RES","SC38778-10","ESAI","56-55-3","Benzo (a) anthracene","0.971","g/l","U","0.520","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-GT-120-090117","SW846 8270D","RES","SC38778-10","ESAI","83-32-9","Acenaphthene","0.971","g/l","U","0.671","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-GT-120-090117","SW846 8270D","RES","SC38778-10","ESAI","85-01-8","Phenanthrene","0.971","g/l","U","0.569","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-GT-120-090117","SW846 8270D","RES","SC38778-10","ESAI","86-73-7","Fluorene","0.971","g/l","U","0.594","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-GT-120-090117","SW846 8270D","RES","SC38778-10","ESAI","90-12-0","1-Methylnaphthalene","0.971","g/l","U","0.712","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-GT-120-090117","SW846 8270D","RES","SC38778-10","ESAI","91-20-3","Naphthalene","0.971","g/l","U","0.665","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-GT-120-090117","SW846 8270D","RES","SC38778-10","ESAI","91-57-6","2-Methylnaphthalene","0.971","g/l","U","0.557","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-GT-120-090117DUP","SM5310B (00, 11)","RES","1715646-DUP1","ESAI","NA","Total Organic Carbon","4.26","mg/l","0.238","MDL","TARGET","0.3","1.00","RDL","YES","-99","TF1-GT-120-090117","40","40","0.500",
"TF1-GT-120-090117DUP","SW846 8270D","RES","1715314-DUP1","ESAI","1146-65-2","Naphthalene-d8","40.0","g/ml","-99","NA","ISTD","168","-99","NA","YES","40.0","TF1-GT-120-090117","1030","1","-99",
"TF1-GT-120-090117DUP","SW846 8270D","RES","1715314-DUP1","ESAI","120-12-7","Anthracene","0.971","g/l","U","0.590","MDL","TARGET","4.85","RDL","YES","-99","TF1-GT-120-090117","1030","1","0.971",
"TF1-GT-120-090117DUP","SW846 8270D","RES","1715314-DUP1","ESAI","129-00-0","Pyrene","0.971","g/l","U","0.592","MDL","TARGET","4.85","RDL","YES","-99","TF1-GT-120-090117","1030","1","0.971",
"TF1-GT-120-090117DUP","SW846 8270D","RES","1715314-DUP1","ESAI","15067-26-2","Acenaphthene-d10","40.0","g/ml","-99","NA","ISTD","186","-99","NA","YES","40.0","TF1-GT-120-090117","1030","1","-99",
"TF1-GT-120-090117DUP","SW846 8270D","RES","1715314-DUP1","ESAI","1517-22-2","Phenanthrene-d10","40.0","g/ml","-99","NA","ISTD","174","-99","NA","YES","40.0","TF1-GT-120-090117","1030","1","-99",

"TF1-GT-120-090117DUP","SW846 8270D","RES","1715314-DUP1","ESAI","1520-96-3","Perylene-d12","40.0","g/ml","-99","NA","ISTD","167","-99","NA","YES","40.0","TF1-GT-120-090117","1030","1","-99",
"TF1-GT-120-090117DUP","SW846 8270D","RES","1715314-DUP1","ESAI","1718-51-0","Terphenyl-d14","34.8","g/l","-99","NA","SUR","72","-99","NA","YES","48.5","TF1-GT-120-090117","1030","1","-99",
"TF1-GT-120-090117DUP","SW846 8270D","RES","1715314-DUP1","ESAI","1719-03-5","Chrysene-d12","40.0","g/ml","-99","NA","ISTD","162","-99","NA","YES","40.0","TF1-GT-120-090117","1030","1","-99",
"TF1-GT-120-090117DUP","SW846 8270D","RES","1715314-DUP1","ESAI","191-24-2","Benzo (g,h,i) perylene","0.971","g/l","U","0.515","MDL","TARGET","4.85","RDL","YES","-99","TF1-GT-120-090117","1030","1","0.971",
"TF1-GT-120-090117DUP","SW846 8270D","RES","1715314-DUP1","ESAI","193-39-5","Indeno (1,2,3-cd) pyrene","0.971","g/l","U","0.563","MDL","TARGET","4.85","RDL","YES","-99","TF1-GT-120-090117","1030","1","0.971",
"TF1-GT-120-090117DUP","SW846 8270D","RES","1715314-DUP1","ESAI","205-99-2","Benzo (b) fluoranthene","0.971","g/l","U","0.424","MDL","TARGET","4.85","RDL","YES","-99","TF1-GT-120-090117","1030","1","0.971",
"TF1-GT-120-090117DUP","SW846 8270D","RES","1715314-DUP1","ESAI","206-44-0","Fluoranthene","0.971","g/l","U","0.619","MDL","TARGET","4.85","RDL","YES","-99","TF1-GT-120-090117","1030","1","0.971",
"TF1-GT-120-090117DUP","SW846 8270D","RES","1715314-DUP1","ESAI","207-08-9","Benzo (k) fluoranthene","0.971","g/l","U","0.466","MDL","TARGET","4.85","RDL","YES","-99","TF1-GT-120-090117","1030","1","0.971",
"TF1-GT-120-090117DUP","SW846 8270D","RES","1715314-DUP1","ESAI","208-96-8","Acenaphthylene","0.971","g/l","U","0.663","MDL","TARGET","4.85","RDL","YES","-99","TF1-GT-120-090117","1030","1","0.971",
"TF1-GT-120-090117DUP","SW846 8270D","RES","1715314-DUP1","ESAI","218-01-9","Chrysene","0.971","g/l","U","0.517","MDL","TARGET","4.85","RDL","YES","-99","TF1-GT-120-090117","1030","1","0.971",
"TF1-GT-120-090117DUP","SW846 8270D","RES","1715314-DUP1","ESAI","321-60-8","2-Fluorobiphenyl","20.3","g/l","SGC","-99","NA","SUR","42","-99","NA","YES","48.5","TF1-GT-120-090117","1030","1","-99",
"TF1-GT-120-090117DUP","SW846 8270D","RES","1715314-DUP1","ESAI","4165-60-0","Nitrobenzene-d5","20.8","g/l","-99","NA","SUR","43","-99","NA","YES","48.5","TF1-GT-120-090117","1030","1","-99",
"TF1-GT-120-090117DUP","SW846 8270D","RES","1715314-DUP1","ESAI","50-32-8","Benzo (a) pyrene","0.971","g/l","U","0.546","MDL","TARGET","4.85","RDL","YES","-99","TF1-GT-120-090117","1030","1","0.971",
"TF1-GT-120-090117DUP","SW846 8270D","RES","1715314-DUP1","ESAI","53-70-3","Dibenzo (a,h) anthracene","0.971","g/l","U","0.437","MDL","TARGET","4.85","RDL","YES","-99","TF1-GT-120-090117","1030","1","0.971",
"TF1-GT-120-090117DUP","SW846 8270D","RES","1715314-DUP1","ESAI","56-55-3","Benzo (a) anthracene","0.971","g/l","U","0.520","MDL","TARGET","4.85","RDL","YES","-99","TF1-GT-120-090117","1030","1","0.971",
"TF1-GT-120-090117DUP","SW846 8270D","RES","1715314-DUP1","ESAI","83-32-9","Acenaphthene","0.971","g/l","U","0.671","MDL","TARGET","4.85","RDL","YES","-99","TF1-GT-120-090117","1030","1","0.971",
"TF1-GT-120-090117DUP","SW846 8270D","RES","1715314-DUP1","ESAI","85-01-8","Phenanthrene","0.971","g/l","U","0.569","MDL","TARGET","4.85","RDL","YES","-99","TF1-GT-120-090117","1030","1","0.971",
"TF1-GT-120-090117DUP","SW846 8270D","RES","1715314-DUP1","ESAI","86-73-7","Fluorene","0.971","g/l","U","0.594","MDL","TARGET","4.85","RDL","YES","-99","TF1-GT-120-090117","1030","1","0.971",
"TF1-GT-120-090117DUP","SW846 8270D","RES","1715314-DUP1","ESAI","90-12-0","1-Methylnaphthalene","0.971","g/l","U","0.712","MDL","TARGET","4.85","RDL","YES","-99","TF1-GT-120-090117","1030","1","0.971",
"TF1-GT-120-090117DUP","SW846 8270D","RES","1715314-DUP1","ESAI","91-20-3","Naphthalene","0.971","g/l","U","0.665","MDL","TARGET","4.85","RDL","YES","-99","TF1-GT-120-

090117","1030","1","0.971",
"TF1-GT-120-090117DUP","SW846 8270D","RES","1715314-DUP1","ESAI","91-57-6","2-Methylnaphthalene","0.971","mg/l","U","0.557","MDL","TARGET","4.85","RDL","YES","-99","TF1-GT-120-090117","1030","1","0.971",
"TF1-GT-120-090117MS","SM5310B (00, 11)","RES","1715646-MS1","ESAI","NA","Total Organic Carbon","10.3","mg/l","0.238","MDL","SPIKE","122","1.00","RDL","YES","5.00","TF1-GT-120-090117","40","40","0.500",
"TF1-GT-120-090117MSD","SM5310B (00, 11)","RES","1715646-MSD1","ESAI","NA","Total Organic Carbon","10.2","mg/l","0.238","MDL","SPIKE","119","1","1.00","RDL","YES","5.00","TF1-GT-120-090117","40","40","0.500",
"TF1-GT-128-083117","EPA 200/6000 methods","RES","SC38778-04","ESAI","NA","Preservation","0","N/A","-99","NA","TARGET","-99","NA","YES","-99","1","1","-99","Field Preserved; pH<2 confirmed"
"TF1-GT-128-083117","EPA 245.1/7470A","RES","SC38778-04","ESAI","7439-97-6","Mercury","0.00020","mg/l","U","0.00013","MDL","TARGET","0.00020","RDL","YES","-99","20","20","0.00020",
"TF1-GT-128-083117","EPA 300.0","DL3","SC38778-04","ESAI","14808-79-8","Sulfate as SO4","81.3","mg/l","GS1, D","0.922","MDL","TARGET","3.00","RDL","YES","-99","5","5","3.00",
"TF1-GT-128-083117","EPA 300.0","RES","SC38778-04","ESAI","14797-55-8","Nitrate as N","0.100","mg/l","U","0.009","MDL","TARGET","0.100","RDL","YES","-99","5","5","0.100",
"TF1-GT-128-083117","EPA 300.0","RES","SC38778-04","ESAI","16887-00-6","Chloride","6.03","mg/l","0.0897","MDL","TARGET","1.00","RDL","YES","-99","5","5","0.100",
"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","1763-23-1","Perfluorooctanesulfonate","3","ng/l","Ja","2","MDL","TARGET","6","RDL","YES","-99","-99",
"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","1763-23-1L","13C8-PFOS","34","ng/l","-99","NA","SUR","72","-99","NA","YES","48","-99",
"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","2058-94-8","Perfluoroundecanoic acid","0","ng/l","1","MDL","TARGET","3","RDL","YES","-99","-99","<",
"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","2058-94-8L","13C7-PFUnDA","27","ng/l","-99","NA","SUR","55","-99","NA","YES","50","-99",
"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","2706-90-3","Perfluoropentanoic Acid","10","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99",
"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","2706-90-3L","13C5-PFPeA","47","ng/l","-99","NA","SUR","93","-99","NA","YES","50","-99",
"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","307-24-4","Perfluorohexanoic acid","9","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99",
"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","307-24-4L","13C5-PFHxA","30","ng/l","-99","NA","SUR","61","-99","NA","YES","50","-99",
"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","307-55-1","Perfluorododecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<",
"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","307-55-1L","13C2-PFDoDA","22","ng/l","-99","NA","SUR","45","-99","NA","YES","50","-99",
"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","335-67-1","Perfluorooctanoic acid","8","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99",
"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","335-67-1L","13C8-PFOA","35","ng/l","-99","NA","SUR","69","-99","NA","YES","50","-99",
"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","335-76-2","Perfluorodecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<",
"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","335-76-2L","13C6-PFDA","36","ng/l","-99","NA","SUR","73","-99","NA","YES","50","-99",
"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","335-77-3","Perfluorodecanesulfonate","0","ng/l","2","MDL","TARGET","6","RDL","YES","-99","-99","<",
"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","355-46-4","Perfluorohexanesulfonate","13","ng/l","1","MDL","TARGET","3","RDL","YES","-99","-99",
"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","355-46-4L","13C3-PFHxS","29","ng/l","-99","NA","SUR","61","-99","NA","YES","47","-99",
"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","375-22-4","Perfluorobutanoic

Acid","0","ng/l","3","MDL","TARGET",,"10","RDL","YES",-99",,"-99",,"<"

"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","375-22-4L","13C4-PFBA","35","ng/l",,"-99","NA",,"SUR","71",,"-99","NA","YES","50",,"-99",

"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","375-73-5","Perfluorobutanesulfonate","0","ng/l",,"0.8","MDL","TARGET",,"3","RDL","YES",-99",,"-99",,"<"

"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","375-73-5L","13C3-PFBS","48","ng/l",,"-99","NA",,"SUR","103",,"-99","NA","YES","47",,"-99",

"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","375-85-9","Perfluoroheptanoic acid","6","ng/l",,"0.5","MDL","TARGET",,"2","RDL","YES",-99",,"-99",

"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","375-85-9L","13C4-PFHpA","34","ng/l",,"-99","NA",,"SUR","67",,"-99","NA","YES","50",,"-99",

"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","375-92-8","Perfluoroheptanesulfonate","0","ng/l",,"2","MDL","TARGET",,"6","RDL","YES",-99",,"-99",,"<"

"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","375-95-1","Perfluorononanoic acid","1","ng/l",,"Ja","0.6","MDL","TARGET",,"2","RDL","YES",-99",,"-99",

"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","375-95-1L","13C9-PFNA","35","ng/l",,"-99","NA",,"SUR","70",,"-99","NA","YES","50",,"-99",

"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","376-06-7","Perfluorotetradecanoic acid","0","ng/l",,"0.5","MDL","TARGET",,"2","RDL","YES",-99",,"-99",,"<"

"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","376-06-7L","13C2-PFTeDA","20","ng/l",,"-99","NA",,"SUR","40",,"-99","NA","YES","50",,"-99",

"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","72629-94-8","Perfluorotridecanoic acid","0","ng/l",,"0.5","MDL","TARGET",,"2","RDL","YES",-99",,"-99",,"<"

"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","754-91-6","PFOSA","0","ng/l",,"3","MDL","TARGET",,"9","RDL","YES",-99",,"-99",,"<"

"TF1-GT-128-083117","EPA 537 Modified","RES","SC38778-04","ESAI","754-91-6L","13C8-PFOA","19","ng/l",,"-99","NA",,"SUR","38",,"-99","NA","YES","50",,"-99",

"TF1-GT-128-083117","Mod EPA 3C/SOP RSK-175","RES","SC38778-04","ESAI","74-82-8","Methane","16.0","g/l",,"2.16","MDL","TARGET",,"2.20","RDL","YES",-99",,"10","10","2.20",

"TF1-GT-128-083117","Mod EPA 3C/SOP RSK-175","RES","SC38778-04","ESAI","74-84-0","Ethane","5.00","g/l",,"U","3.48","MDL","TARGET",,"5.00","RDL","YES",-99",,"10","10","5.00",

"TF1-GT-128-083117","SM18-22 5210B","RES","SC38778-04","ESAI","NA","Biochemical Oxygen Demand (5-day)","57.0","mg/l",,"BOD4","2.74","MDL","TARGET",,"10.0","RDL","YES",-99",,"300","300","2.97",

"TF1-GT-128-083117","SM2320B (97, 11)","RES","SC38778-04","ESAI","NA","Total Alkalinity","1.50","mg/l CaCO3",,"Alk, U","0.524","MDL","TARGET",,"2.00","RDL","YES",-99",,"100","50","1.50",

"TF1-GT-128-083117","SM5310B (00, 11)","RES","SC38778-04","ESAI","NA","Total Organic Carbon","12.2","mg/l",,"0.238","MDL","TARGET",,"1.00","RDL","YES",-99",,"40","40","0.500",

"TF1-GT-128-083117","SW846 6010C","RES","SC38778-04","ESAI","7429-90-5","Aluminum","0.0910","mg/l",,"0.0206","MDL","TARGET",,"0.0500","RDL","YES",-99",,"50","50","0.0500",

,"

"TF1-GT-128-083117","SW846 6010C","RES","SC38778-04","ESAI","7439-89-6","Iron","59.1","mg/l",,"R06","0.0089","MDL","TARGET",,"0.0800","RDL","YES",-99",,"50","50","0.0300",

"TF1-GT-128-083117","SW846 6010C","RES","SC38778-04","ESAI","7439-95-4","Magnesium","4.66","mg/l",,"0.0088","MDL","TARGET",,"0.0200","RDL","YES",-99",,"50","50","0.0100",

"TF1-GT-128-083117","SW846 6010C","RES","SC38778-04","ESAI","7440-09-7","Potassium","2.65","mg/l",,"0.120","MDL","TARGET",,"1.00","RDL","YES",-99",,"50","50","0.250",

"TF1-GT-128-083117","SW846 6010C","RES","SC38778-04","ESAI","7440-23-5","Sodium","5.17","mg/l",,"0.0785","MDL","TARGET",,"0.500","RDL","YES",-99",,"50","50","0.250",

"TF1-GT-128-083117","SW846 6010C","RES","SC38778-04","ESAI","7440-70-2","Calcium","18.6","mg/l",,"0.0142","MDL","TARGET",,"0.200","RDL","YES",-99",,"50","50","0.0500",

"TF1-GT-128-083117","SW846 6020A","RES","SC38778-04","ESAI","7439-92-1","Lead","0.00084","mg/l",,"Ja","0.00011","MDL","TARGET",,"0.0020","RDL","YES",-99",,"-99",

"TF1-GT-128-083117","SW846 6020A","RES","SC38778-04","ESAI","7439-96-5","Manganese","3.10","mg/l",,"0.00090","MDL","TARGET",,"0.0040","RDL","YES",-99",,"-99",

"TF1-GT-128-083117","SW846 6020A","RES","SC38778-04","ESAI","7439-98-7","Molybdenum","0.0012","mg/l",,"0.00025","MDL","TARGET",,"0.0010","RDL","YES",-99",,"-99",

"TF1-GT-128-083117","SW846 6020A","RES","SC38778-04","ESAI","7440-02-

0","Nickel","0.0124","mg/l","0.0010","MDL","TARGET","0.0040","RDL","YES","-99",,,,"-99",
"TF1-GT-128-083117","SW846 6020A","RES","SC38778-04","ESAI","7440-22-
4","Silver","0","mg/l","0.00015","MDL","TARGET","0.0010","RDL","YES","-99",,,,"-99","<"
"TF1-GT-128-083117","SW846 6020A","RES","SC38778-04","ESAI","7440-28-
0","Thallium","0","mg/l","0.00012","MDL","TARGET","0.0010","RDL","YES","-99",,,,"-99","<"
"TF1-GT-128-083117","SW846 6020A","RES","SC38778-04","ESAI","7440-36-
0","Antimony","0","mg/l","0.00045","MDL","TARGET","0.0020","RDL","YES","-99",,,,"-99","<"
"TF1-GT-128-083117","SW846 6020A","RES","SC38778-04","ESAI","7440-38-
2","Arsenic","0.139","mg/l","0.00072","MDL","TARGET","0.0040","RDL","YES","-99",,,,"-99",
"TF1-GT-128-083117","SW846 6020A","RES","SC38778-04","ESAI","7440-39-
3","Barium","0.0167","mg/l","0.00072","MDL","TARGET","0.0040","RDL","YES","-99",,,,"-99",
"TF1-GT-128-083117","SW846 6020A","RES","SC38778-04","ESAI","7440-41-
7","Beryllium","0","mg/l","0.000071","MDL","TARGET","0.0010","RDL","YES","-99",,,,"-99","<"
"TF1-GT-128-083117","SW846 6020A","RES","SC38778-04","ESAI","7440-43-
9","Cadmium","0","mg/l","0.00015","MDL","TARGET","0.0010","RDL","YES","-99",,,,"-99","<"
"TF1-GT-128-083117","SW846 6020A","RES","SC38778-04","ESAI","7440-47-
3","Chromium","0","mg/l","0.00087","MDL","TARGET","0.0040","RDL","YES","-99",,,,"-99","<"
"TF1-GT-128-083117","SW846 6020A","RES","SC38778-04","ESAI","7440-48-
4","Cobalt","0.0228","mg/l","0.00016","MDL","TARGET","0.0010","RDL","YES","-99",,,,"-99",
"TF1-GT-128-083117","SW846 6020A","RES","SC38778-04","ESAI","7440-50-
8","Copper","0.0020","mg/l","Ja","0.00054","MDL","TARGET","0.0040","RDL","YES","-99",,,,"-99",
"TF1-GT-128-083117","SW846 6020A","RES","SC38778-04","ESAI","7440-62-
2","Vanadium","0.00042","mg/l","Ja","0.00021","MDL","TARGET","0.0010","RDL","YES","-99",,,,"-99",
"TF1-GT-128-083117","SW846 6020A","RES","SC38778-04","ESAI","7440-66-
6","Zinc","0.0165","mg/l","Ja","0.0039","MDL","TARGET","0.0300","RDL","YES","-99",,,,"-99",
"TF1-GT-128-083117","SW846 6020A","RES","SC38778-04","ESAI","7782-49-
2","Selenium","0","mg/l","0.00050","MDL","TARGET","0.0040","RDL","YES","-99",,,,"-99","<"
"TF1-GT-128-083117","SW-846 8015B","DL5","SC38778-04","ESAI","108-90-
7","Chlorobenzene","0.011","mg/l","-99","NA","SUR","87","-99","NA","YES","0.012",,,,"-99",
"TF1-GT-128-083117","SW-846 8015B","DL5","SC38778-04","ESAI","84-15-
1","Orthoterphenyl","0.0097","mg/l","-99","NA","SUR","78","-99","NA","YES","0.012",,,,"-99",
"TF1-GT-128-083117","SW-846 8015B","DL5","SC38778-04","ESAI","PHCC8C44","C8-
C44","7.0","mg/l","0.25","MDL","TARGET","1.0","RDL","YES","-99",,,,"-99",
"TF1-GT-128-083117","SW-846 8015B","DL5","SC38778-04","ESAI","PHCE","Total
TPH","7.0","mg/l","0.25","MDL","TARGET","1.0","RDL","YES","-99",,,,"-99",
"TF1-GT-128-083117","SW846 8081B","RES","SC38778-04","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-GT-128-083117","SW846 8081B","RES","SC38778-04","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-GT-128-083117","SW846 8081B","RES","SC38778-04","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl
(Sr)","0.196","g/l","-99","NA","SUR","102","-99","NA","YES","0.192","1040","10","-99",
"TF1-GT-128-083117","SW846 8081B","RES","SC38778-04","ESAI","15972-60-
8","Alachlor","0.019","g/l","U","0.018","MDL","TARGET","0.019","RDL","YES","-99","1040","10","0.019",
"TF1-GT-128-083117","SW846 8081B","RES","SC38778-04","ESAI","2051-24-3","Decachlorobiphenyl
(Sr)","0.139","g/l","-99","NA","SUR","73","-99","NA","YES","0.192","1040","10","-99",
"TF1-GT-128-083117","SW846 8081B","RES","SC38778-04","ESAI","309-00-
2","Aldrin","0.019","g/l","U","0.015","MDL","TARGET","0.019","RDL","YES","-99","1040","10","0.019",
"TF1-GT-128-083117","SW846 8081B","RES","SC38778-04","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-GT-128-083117","SW846 8081B","RES","SC38778-04","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-GT-128-083117","SW846 8081B","RES","SC38778-04","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-GT-128-083117","SW846 8081B","RES","SC38778-04","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-GT-128-083117","SW846 8081B","RES","SC38778-04","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-GT-128-083117","SW846 8081B","RES","SC38778-04","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-GT-128-083117","SW846 8081B","RES","SC38778-04","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-GT-128-083117","SW846 8081B","RES","SC38778-04","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-GT-128-083117","SW846 8081B","RES","SC38778-04","ESAI","57-74-9","Chlordane","0.063","g/l","U","0.049","MDL","TARGET","0.063","RDL","YES","-99","1040","10","0.063",
"TF1-GT-128-083117","SW846 8081B","RES","SC38778-04","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-GT-128-083117","SW846 8081B","RES","SC38778-04","ESAI","60-57-1","Dieldrin","0.019","g/l","U","0.016","MDL","TARGET","0.019","RDL","YES","-99","1040","10","0.019",
"TF1-GT-128-083117","SW846 8081B","RES","SC38778-04","ESAI","72-20-8","Endrin","0.019","g/l","U","0.018","MDL","TARGET","0.038","RDL","YES","-99","1040","10","0.019",
"TF1-GT-128-083117","SW846 8081B","RES","SC38778-04","ESAI","72-43-5","Methoxychlor","0.019","g/l","U","0.018","MDL","TARGET","0.038","RDL","YES","-99","1040","10","0.019",
"TF1-GT-128-083117","SW846 8081B","RES","SC38778-04","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-GT-128-083117","SW846 8081B","RES","SC38778-04","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-GT-128-083117","SW846 8081B","RES","SC38778-04","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-GT-128-083117","SW846 8081B","RES","SC38778-04","ESAI","76-44-8","Heptachlor","0.019","g/l","U","0.019","MDL","TARGET","0.019","RDL","YES","-99","1040","10","0.019",
"TF1-GT-128-083117","SW846 8081B","RES","SC38778-04","ESAI","8001-35-2","Toxaphene","0.481","g/l","U","0.315","MDL","TARGET","0.481","RDL","YES","-99","1040","10","0.481",
"TF1-GT-128-083117","SW846 8081B","RES","SC38778-04","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS)","0.020","g/ml","-99","NA","ISTD","126","-99","NA","YES","10.0","1040","10","-99",
"TF1-GT-128-083117","SW846 8081B","RES","SC38778-04","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-GT-128-083117","SW846 8260C","RES","SC38778-04","ESAI","100-41-4","Ethylbenzene","0.5","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-GT-128-083117","SW846 8260C","RES","SC38778-04","ESAI","100-42-5","Styrene","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-128-083117","SW846 8260C","RES","SC38778-04","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-GT-128-083117","SW846 8260C","RES","SC38778-04","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-GT-128-083117","SW846 8260C","RES","SC38778-04","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-GT-128-083117","SW846 8260C","RES","SC38778-04","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-GT-128-083117","SW846 8260C","RES","SC38778-04","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-GT-128-083117","SW846 8260C","RES","SC38778-04","ESAI","108-10-1","4-Methyl-2-pentanone (MIBK)","8.0","g/l","0.5","MDL","TARGET","2.0","RDL","YES","-99","5","5","2.0",
"TF1-GT-128-083117","SW846 8260C","RES","SC38778-04","ESAI","108-87-2","Methylcyclohexane","1.8","g/l","J","0.7","MDL","TARGET","5.0","RDL","YES","-99","5","5","2.0",
"TF1-GT-128-083117","SW846 8260C","RES","SC38778-04","ESAI","108-88-3","Toluene","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-128-083117","SW846 8260C","RES","SC38778-04","ESAI","108-90-7","Chlorobenzene","0.5","g/l","U","0.2","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-GT-128-083117","SW846 8260C","RES","SC38778-04","ESAI","110-82-

7", "Cyclohexane", "1.3", "g/l", "J", "0.8", "MDL", "TARGET", "5.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-GT-128-083117", "SW846 8260C", "RES", "SC38778-04", "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-GT-128-083117", "SW846 8260C", "RES", "SC38778-04", "ESAI", "124-48-
1", "Dibromochloromethane", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-GT-128-083117", "SW846 8260C", "RES", "SC38778-04", "ESAI", "127-18-
4", "Tetrachloroethene", "1.0", "g/l", "U", "0.6", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-128-083117", "SW846 8260C", "RES", "SC38778-04", "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-GT-128-083117", "SW846 8260C", "RES", "SC38778-04", "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-GT-128-083117", "SW846 8260C", "RES", "SC38778-04", "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-128-083117", "SW846 8260C", "RES", "SC38778-04", "ESAI", "17060-07-0", "1,2-Dichloroethane-
d4", "52.2", "g/l", "-99", "NA", "SUR", "104", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-GT-128-083117", "SW846 8260C", "RES", "SC38778-04", "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-GT-128-083117", "SW846 8260C", "RES", "SC38778-04", "ESAI", "1868-53-
7", "Dibromofluoromethane", "49.9", "g/l", "-99", "NA", "SUR", "100", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-GT-128-083117", "SW846 8260C", "RES", "SC38778-04", "ESAI", "2037-26-5", "Toluene-
d8", "48.9", "g/l", "-99", "NA", "SUR", "98", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-GT-128-083117", "SW846 8260C", "RES", "SC38778-04", "ESAI", "3114-55-4", "Chlorobenzene-
d5", "50.0", "g/l", "-99", "NA", "ISTD", "111", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-GT-128-083117", "SW846 8260C", "RES", "SC38778-04", "ESAI", "3855-82-1", "1,4-Dichlorobenzene-
d4", "50.0", "g/l", "-99", "NA", "ISTD", "108", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-GT-128-083117", "SW846 8260C", "RES", "SC38778-04", "ESAI", "460-00-4", "4-
Bromofluorobenzene", "50.0", "g/l", "-99", "NA", "SUR", "100", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-GT-128-083117", "SW846 8260C", "RES", "SC38778-04", "ESAI", "462-06-
6", "Fluorobenzene", "50.0", "g/l", "-99", "NA", "ISTD", "112", "-99", "NA", "YES", "50.0", "5", "5", "-99",
"TF1-GT-128-083117", "SW846 8260C", "RES", "SC38778-04", "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-GT-128-083117", "SW846 8260C", "RES", "SC38778-04", "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-GT-128-083117", "SW846 8260C", "RES", "SC38778-04", "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-GT-128-083117", "SW846 8260C", "RES", "SC38778-04", "ESAI", "67-64-
1", "Acetone", "2.0", "g/l", "U", "0.8", "MDL", "TARGET", "10.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-GT-128-083117", "SW846 8260C", "RES", "SC38778-04", "ESAI", "67-66-
3", "Chloroform", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-128-083117", "SW846 8260C", "RES", "SC38778-04", "ESAI", "71-43-
2", "Benzene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-GT-128-083117", "SW846 8260C", "RES", "SC38778-04", "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-GT-128-083117", "SW846 8260C", "RES", "SC38778-04", "ESAI", "74-83-
9", "Bromomethane", "2.0", "g/l", "U", "0.9", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-GT-128-083117", "SW846 8260C", "RES", "SC38778-04", "ESAI", "74-87-
3", "Chloromethane", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-128-083117", "SW846 8260C", "RES", "SC38778-04", "ESAI", "74-97-
5", "Bromochloromethane", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GT-128-083117", "SW846 8260C", "RES", "SC38778-04", "ESAI", "75-00-
3", "Chloroethane", "2.0", "g/l", "U", "0.6", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-GT-128-083117", "SW846 8260C", "RES", "SC38778-04", "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-GT-128-083117", "SW846 8260C", "RES", "SC38778-04", "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-GT-128-083117", "SW846 8260C", "RES", "SC38778-04", "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-GT-128-083117","SW846 8260C","RES","SC38778-04","ESAI","75-25-2","Bromoform","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",

"TF1-GT-128-083117","SW846 8260C","RES","SC38778-04","ESAI","75-27-4","Bromodichloromethane","0.5","g/l","U","0.4","MDL","TARGET","0.5","RDL","YES","-99","5","5","0.5",

"TF1-GT-128-083117","SW846 8260C","RES","SC38778-04","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-GT-128-083117","SW846 8260C","RES","SC38778-04","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-GT-128-083117","SW846 8260C","RES","SC38778-04","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-GT-128-083117","SW846 8260C","RES","SC38778-04","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-GT-128-083117","SW846 8260C","RES","SC38778-04","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-GT-128-083117","SW846 8260C","RES","SC38778-04","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-GT-128-083117","SW846 8260C","RES","SC38778-04","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-GT-128-083117","SW846 8260C","RES","SC38778-04","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-GT-128-083117","SW846 8260C","RES","SC38778-04","ESAI","79-01-6","Trichloroethene","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",

"TF1-GT-128-083117","SW846 8260C","RES","SC38778-04","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-GT-128-083117","SW846 8260C","RES","SC38778-04","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-GT-128-083117","SW846 8260C","RES","SC38778-04","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-GT-128-083117","SW846 8260C","RES","SC38778-04","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-GT-128-083117","SW846 8260C","RES","SC38778-04","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-GT-128-083117","SW846 8260C","RES","SC38778-04","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-GT-128-083117","SW846 8260C","RES","SC38778-04","ESAI","98-82-8","Isopropylbenzene","0.5","g/l","J","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",

"TF1-GT-128-083117","SW846 8270D","RES","SC38778-04","ESAI","1146-65-2","Naphthalene-d8","40.0","g/ml","-99","NA","ISTD","143","-99","NA","YES","40.0","1040","1","-99",

"TF1-GT-128-083117","SW846 8270D","RES","SC38778-04","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-128-083117","SW846 8270D","RES","SC38778-04","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-128-083117","SW846 8270D","RES","SC38778-04","ESAI","15067-26-2","Acenaphthene-d10","40.0","g/ml","-99","NA","ISTD","157","-99","NA","YES","40.0","1040","1","-99",

"TF1-GT-128-083117","SW846 8270D","RES","SC38778-04","ESAI","1517-22-2","Phenanthrene-d10","40.0","g/ml","-99","NA","ISTD","145","-99","NA","YES","40.0","1040","1","-99",

"TF1-GT-128-083117","SW846 8270D","RES","SC38778-04","ESAI","1520-96-3","Perylene-d12","40.0","g/ml","-99","NA","ISTD","137","-99","NA","YES","40.0","1040","1","-99",

"TF1-GT-128-083117","SW846 8270D","RES","SC38778-04","ESAI","1718-51-0","Terphenyl-d14","36.5","g/l","-99","NA","SUR","76","-99","NA","YES","48.1","1040","1","-99",

"TF1-GT-128-083117","SW846 8270D","RES","SC38778-04","ESAI","1719-03-5","Chrysene-d12","40.0","g/ml","-99","NA","ISTD","135","-99","NA","YES","40.0","1040","1","-99",

"TF1-GT-128-083117","SW846 8270D","RES","SC38778-04","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-128-083117","SW846 8270D","RES","SC38778-04","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-128-083117","SW846 8270D","RES","SC38778-04","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-128-083117","SW846 8270D","RES","SC38778-04","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-128-083117","SW846 8270D","RES","SC38778-04","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-128-083117","SW846 8270D","RES","SC38778-04","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-128-083117","SW846 8270D","RES","SC38778-04","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-128-083117","SW846 8270D","RES","SC38778-04","ESAI","321-60-8","2-Fluorobiphenyl","29.4","g/l","-99","NA","SUR","61","-99","NA","YES","48.1","1040","1","-99",
"TF1-GT-128-083117","SW846 8270D","RES","SC38778-04","ESAI","4165-60-0","Nitrobenzene-d5","31.5","g/l","-99","NA","SUR","66","-99","NA","YES","48.1","1040","1","-99",
"TF1-GT-128-083117","SW846 8270D","RES","SC38778-04","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-128-083117","SW846 8270D","RES","SC38778-04","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-128-083117","SW846 8270D","RES","SC38778-04","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-128-083117","SW846 8270D","RES","SC38778-04","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-128-083117","SW846 8270D","RES","SC38778-04","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-128-083117","SW846 8270D","RES","SC38778-04","ESAI","86-73-7","Fluorene","0.962","g/l","U","0.588","MDL","TARGET","4.81","RDL","YES","-99","1040","1","0.962",
"TF1-GT-128-083117","SW846 8270D","RES","SC38778-04","ESAI","90-12-0","1-Methylnaphthalene","0.962","g/l","U","0.705","MDL","TARGET","4.81","RDL","YES","-99","1040","1","0.962",
"TF1-GT-128-083117","SW846 8270D","RES","SC38778-04","ESAI","91-20-3","Naphthalene","0.962","g/l","U","0.659","MDL","TARGET","4.81","RDL","YES","-99","1040","1","0.962",
"TF1-GT-128-083117","SW846 8270D","RES","SC38778-04","ESAI","91-57-6","2-Methylnaphthalene","0.962","g/l","U","0.552","MDL","TARGET","4.81","RDL","YES","-99","1040","1","0.962",
"TF1-GT-131-090117","EPA 200/6000 methods","RES","SC38778-11","ESAI","NA","Preservation","0","N/A","-99","NA","TARGET","-99","NA","YES","-99","1","1","-99","Field Preserved; pH<2 confirmed",
"TF1-GT-131-090117","EPA 245.1/7470A","RES","SC38778-11","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-131-090117","EPA 300.0","RES","SC38778-11","ESAI","14797-55-8","Nitrate as N","0.100","mg/l","U","0.009","MDL","TARGET","0.100","RDL","YES","-99","5","5","0.100",
"TF1-GT-131-090117","EPA 300.0","RES","SC38778-11","ESAI","14808-79-8","Sulfate as SO4","2.99","mg/l","0.307","MDL","TARGET","1.00","RDL","YES","-99","5","5","1.00",
"TF1-GT-131-090117","EPA 300.0","RES","SC38778-11","ESAI","16887-00-6","Chloride","6.56","mg/l","0.0897","MDL","TARGET","1.00","RDL","YES","-99","5","5","0.100",
"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","1763-23-1","Perfluorooctanesulfonate","0","ng/l","2","MDL","TARGET","6","RDL","YES","-99","-99","<",
"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","1763-23-1L","13C8-PFOS","34","ng/l","-99","NA","SUR","72","-99","NA","YES","48","-99",
"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","2058-94-8","Perfluoroundecanoic acid","0","ng/l","1","MDL","TARGET","3","RDL","YES","-99","-99","<"

"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","2058-94-8L","13C7-PFUnDA","33","ng/l","-99","NA","SUR","65","-99","NA","YES","50","-99",
"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","2706-90-3","Perfluoropentanoic Acid","3","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99",
"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","2706-90-3L","13C5-PFPeA","43","ng/l","-99","NA","SUR","86","-99","NA","YES","50","-99",
"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","307-24-4","Perfluorohexanoic acid","3","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99",
"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","307-24-4L","13C5-PFHxA","42","ng/l","-99","NA","SUR","84","-99","NA","YES","50","-99",
"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","307-55-1","Perfluorododecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<",
"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","307-55-1L","13C2-PFDoDA","28","ng/l","-99","NA","SUR","56","-99","NA","YES","50","-99",
"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","335-67-1","Perfluorooctanoic acid","3","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99",
"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","335-67-1L","13C8-PFOA","39","ng/l","-99","NA","SUR","77","-99","NA","YES","50","-99",
"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","335-76-2","Perfluorodecanoic acid","2","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99",
"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","335-76-2L","13C6-PFDA","41","ng/l","-99","NA","SUR","82","-99","NA","YES","50","-99",
"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","335-77-3","Perfluorodecanesulfonate","0","ng/l","2","MDL","TARGET","6","RDL","YES","-99","-99","<",
"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","355-46-4","Perfluorohexanesulfonate","3","ng/l","Ja","1","MDL","TARGET","3","RDL","YES","-99","-99",
"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","355-46-4L","13C3-PFHxS","36","ng/l","-99","NA","SUR","76","-99","NA","YES","48","-99",
"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","375-22-4","Perfluorobutanoic Acid","0","ng/l","3","MDL","TARGET","10","RDL","YES","-99","-99","<",
"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","375-22-4L","13C4-PFBA","35","ng/l","-99","NA","SUR","70","-99","NA","YES","50","-99",
"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","375-73-5","Perfluorobutanesulfonate","0","ng/l","0.8","MDL","TARGET","3","RDL","YES","-99","-99","<",
"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","375-73-5L","13C3-PFBS","41","ng/l","-99","NA","SUR","88","-99","NA","YES","47","-99",
"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","375-85-9","Perfluoroheptanoic acid","2","ng/l","Ja","0.5","MDL","TARGET","2","RDL","YES","-99","-99",
"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","375-85-9L","13C4-PFHpA","41","ng/l","-99","NA","SUR","83","-99","NA","YES","50","-99",
"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","375-92-8","Perfluoroheptanesulfonate","0","ng/l","2","MDL","TARGET","6","RDL","YES","-99","-99","<",
"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","375-95-1","Perfluorononanoic acid","0","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99","<",
"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","375-95-1L","13C9-PFNA","31","ng/l","-99","NA","SUR","61","-99","NA","YES","50","-99",
"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","376-06-7","Perfluorotetradecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<",
"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","376-06-7L","13C2-PFTeDA","28","ng/l","-99","NA","SUR","55","-99","NA","YES","50","-99",
"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","72629-94-8","Perfluorotridecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<",
"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","754-91-6","PFOSA","0","ng/l","3","MDL","TARGET","9","RDL","YES","-99","-99","<",
"TF1-GT-131-090117","EPA 537 Modified","RES","SC38778-11","ESAI","754-91-6L","13C8-PFOA","14","ng/l","-99","NA","SUR","29","-99","NA","YES","50","-99",
"TF1-GT-131-090117","Mod EPA 3C/SOP RSK-175","RES","SC38778-11","ESAI","74-82-

8","Methane","2.20","g/l","U","2.16","MDL","TARGET","2.20","RDL","YES","-99","10","10","2.20",
"TF1-GT-131-090117","Mod EPA 3C/SOP RSK-175","RES","SC38778-11","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-131-090117","SM18-22 5210B","RES","SC38778-11","ESAI","NA","Biochemical Oxygen Demand (5-
day)","26.0","mg/l","BOD3","2.74","MDL","TARGET","10.0","RDL","YES","-99","300","300","2.97",
"TF1-GT-131-090117","SM2320B (97, 11)","RES","SC38778-11","ESAI","NA","Total Alkalinity","36.9","mg/l
CaCO3","0.524","MDL","TARGET","2.00","RDL","YES","-99","100","50","1.50",
"TF1-GT-131-090117","SM5310B (00, 11)","RES","SC38778-11","ESAI","NA","Total Organic
Carbon","1.33","mg/l","0.238","MDL","TARGET","1.00","RDL","YES","-99","40","40","0.500",
"TF1-GT-131-090117","SW846 6010C","RES","SC38778-11","ESAI","7429-90-
5","Aluminum","0.0230","mg/l","J","0.0206","MDL","TARGET","0.0500","RDL","YES","-99","50","50","0.05
00",
"TF1-GT-131-090117","SW846 6010C","RES","SC38778-11","ESAI","7439-89-
6","Iron","22.2","mg/l","R06","0.0089","MDL","TARGET","0.0800","RDL","YES","-99","50","50","0.0300",
"TF1-GT-131-090117","SW846 6010C","RES","SC38778-11","ESAI","7439-95-
4","Magnesium","2.25","mg/l","0.0088","MDL","TARGET","0.0200","RDL","YES","-99","50","50","0.0100",
"TF1-GT-131-090117","SW846 6010C","RES","SC38778-11","ESAI","7440-09-
7","Potassium","2.15","mg/l","0.120","MDL","TARGET","1.00","RDL","YES","-99","50","50","0.250",
"TF1-GT-131-090117","SW846 6010C","RES","SC38778-11","ESAI","7440-23-
5","Sodium","4.41","mg/l","0.0785","MDL","TARGET","0.500","RDL","YES","-99","50","50","0.250",
"TF1-GT-131-090117","SW846 6010C","RES","SC38778-11","ESAI","7440-70-
2","Calcium","7.94","mg/l","0.0142","MDL","TARGET","0.200","RDL","YES","-99","50","50","0.0500",
"TF1-GT-131-090117","SW846 6020A","RES","SC38778-11","ESAI","7439-92-
1","Lead","0.00052","mg/l","Ja","0.00011","MDL","TARGET","0.0020","RDL","YES","-99","-99",
"TF1-GT-131-090117","SW846 6020A","RES","SC38778-11","ESAI","7439-96-
5","Manganese","1.47","mg/l","0.00090","MDL","TARGET","0.0040","RDL","YES","-99","-99",
"TF1-GT-131-090117","SW846 6020A","RES","SC38778-11","ESAI","7439-98-
7","Molybdenum","0.00040","mg/l","Ja","0.00025","MDL","TARGET","0.0010","RDL","YES","-99","-99",
"TF1-GT-131-090117","SW846 6020A","RES","SC38778-11","ESAI","7440-02-
0","Nickel","0","mg/l","0.0010","MDL","TARGET","0.0040","RDL","YES","-99","-99","<"
"TF1-GT-131-090117","SW846 6020A","RES","SC38778-11","ESAI","7440-22-
4","Silver","0","mg/l","0.00015","MDL","TARGET","0.0010","RDL","YES","-99","-99","<"
"TF1-GT-131-090117","SW846 6020A","RES","SC38778-11","ESAI","7440-28-
0","Thallium","0","mg/l","0.00012","MDL","TARGET","0.0010","RDL","YES","-99","-99","<"
"TF1-GT-131-090117","SW846 6020A","RES","SC38778-11","ESAI","7440-36-
0","Antimony","0","mg/l","0.00045","MDL","TARGET","0.0020","RDL","YES","-99","-99","<"
"TF1-GT-131-090117","SW846 6020A","RES","SC38778-11","ESAI","7440-38-
2","Arsenic","0.0219","mg/l","0.00072","MDL","TARGET","0.0040","RDL","YES","-99","-99",
"TF1-GT-131-090117","SW846 6020A","RES","SC38778-11","ESAI","7440-39-
3","Barium","0.0084","mg/l","0.00072","MDL","TARGET","0.0040","RDL","YES","-99","-99",
"TF1-GT-131-090117","SW846 6020A","RES","SC38778-11","ESAI","7440-41-
7","Beryllium","0","mg/l","0.000071","MDL","TARGET","0.0010","RDL","YES","-99","-99","<"
"TF1-GT-131-090117","SW846 6020A","RES","SC38778-11","ESAI","7440-43-
9","Cadmium","0","mg/l","0.00015","MDL","TARGET","0.0010","RDL","YES","-99","-99","<"
"TF1-GT-131-090117","SW846 6020A","RES","SC38778-11","ESAI","7440-47-
3","Chromium","0","mg/l","0.00087","MDL","TARGET","0.0040","RDL","YES","-99","-99","<"
"TF1-GT-131-090117","SW846 6020A","RES","SC38778-11","ESAI","7440-48-
4","Cobalt","0.0051","mg/l","0.00016","MDL","TARGET","0.0010","RDL","YES","-99","-99",
"TF1-GT-131-090117","SW846 6020A","RES","SC38778-11","ESAI","7440-50-
8","Copper","0.0016","mg/l","Ja","0.00054","MDL","TARGET","0.0040","RDL","YES","-99","-99",
"TF1-GT-131-090117","SW846 6020A","RES","SC38778-11","ESAI","7440-62-
2","Vanadium","0","mg/l","0.00021","MDL","TARGET","0.0010","RDL","YES","-99","-99","<"
"TF1-GT-131-090117","SW846 6020A","RES","SC38778-11","ESAI","7440-66-
6","Zinc","0","mg/l","0.0039","MDL","TARGET","0.0300","RDL","YES","-99","-99","<"
"TF1-GT-131-090117","SW846 6020A","RES","SC38778-11","ESAI","7782-49-
2","Selenium","0","mg/l","0.00050","MDL","TARGET","0.0040","RDL","YES","-99","-99","<"
"TF1-GT-131-090117","SW-846 8015B","RES","SC38778-11","ESAI","108-90-

7", "Chlorobenzene", "0.011", "mg/l", "-", "-99", "NA", "SUR", "84", "-", "-99", "NA", "YES", "0.013", ",", "-", "-99",
"TF1-GT-131-090117", "SW-846 8015B", "RES", "SC38778-11", "ESAI", "84-15-
1", "Orthoterphenyl", "0.012", "mg/l", "-", "-99", "NA", "SUR", "93", "-", "-99", "NA", "YES", "0.013", ",", "-", "-99",
"TF1-GT-131-090117", "SW-846 8015B", "RES", "SC38778-11", "ESAI", "PHCC8C44", "C8-
C44", "0.31", "mg/l", "0.052", "MDL", "TARGET", "0.21", "RDL", "YES", "-", "-99", ",", "-", "-99",
"TF1-GT-131-090117", "SW-846 8015B", "RES", "SC38778-11", "ESAI", "PHCE", "Total
TPH", "0.31", "mg/l", "0.052", "MDL", "TARGET", "0.21", "RDL", "YES", "-", "-99", ",", "-", "-99",
"TF1-GT-131-090117", "SW846 8081B", "RES", "SC38778-11", "ESAI", "1024-57-3", "Heptachlor
epoxide", "0.020", "g/l", "U", "0.015", "MDL", "TARGET", "0.020", "RDL", "YES", "-", "-99", "1020", "10", "0.020",
"TF1-GT-131-090117", "SW846 8081B", "RES", "SC38778-11", "ESAI", "1031-07-8", "Endosulfan
sulfate", "0.020", "g/l", "U", "0.019", "MDL", "TARGET", "0.039", "RDL", "YES", "-", "-99", "1020", "10", "0.020",
"TF1-GT-131-090117", "SW846 8081B", "RES", "SC38778-11", "ESAI", "10386-84-2", "4,4-DB-Octafluorobiphenyl
(Sr)", "0.183", "g/l", "-", "-99", "NA", "SUR", "94", "-", "-99", "NA", "YES", "0.196", "1020", "10", "-", "-99",
"TF1-GT-131-090117", "SW846 8081B", "RES", "SC38778-11", "ESAI", "15972-60-
8", "Alachlor", "0.020", "g/l", "U", "0.019", "MDL", "TARGET", "0.020", "RDL", "YES", "-", "-99", "1020", "10", "0.020",
"TF1-GT-131-090117", "SW846 8081B", "RES", "SC38778-11", "ESAI", "2051-24-3", "Decachlorobiphenyl
(Sr)", "0.168", "g/l", "-", "-99", "NA", "SUR", "86", "-", "-99", "NA", "YES", "0.196", "1020", "10", "-", "-99",
"TF1-GT-131-090117", "SW846 8081B", "RES", "SC38778-11", "ESAI", "309-00-
2", "Aldrin", "0.020", "g/l", "U", "0.015", "MDL", "TARGET", "0.020", "RDL", "YES", "-", "-99", "1020", "10", "0.020",
"TF1-GT-131-090117", "SW846 8081B", "RES", "SC38778-11", "ESAI", "319-84-6", "alpha-
BHC", "0.020", "g/l", "U", "0.011", "MDL", "TARGET", "0.020", "RDL", "YES", "-", "-99", "1020", "10", "0.020",
"TF1-GT-131-090117", "SW846 8081B", "RES", "SC38778-11", "ESAI", "319-85-7", "beta-
BHC", "0.020", "g/l", "U", "0.014", "MDL", "TARGET", "0.020", "RDL", "YES", "-", "-99", "1020", "10", "0.020",
"TF1-GT-131-090117", "SW846 8081B", "RES", "SC38778-11", "ESAI", "319-86-8", "delta-
BHC", "0.020", "g/l", "U", "0.015", "MDL", "TARGET", "0.020", "RDL", "YES", "-", "-99", "1020", "10", "0.020",
"TF1-GT-131-090117", "SW846 8081B", "RES", "SC38778-11", "ESAI", "33213-65-9", "Endosulfan
II", "0.020", "g/l", "U", "0.020", "MDL", "TARGET", "0.039", "RDL", "YES", "-", "-99", "1020", "10", "0.020",
"TF1-GT-131-090117", "SW846 8081B", "RES", "SC38778-11", "ESAI", "50-29-3", "4,4'-DDT
(p,p')", "0.029", "g/l", "U", "0.017", "MDL", "TARGET", "0.039", "RDL", "YES", "-", "-99", "1020", "10", "0.029",
"TF1-GT-131-090117", "SW846 8081B", "RES", "SC38778-11", "ESAI", "5103-71-9", "alpha-
Chlordane", "0.020", "g/l", "U", "0.015", "MDL", "TARGET", "0.020", "RDL", "YES", "-", "-99", "1020", "10", "0.020",
"TF1-GT-131-090117", "SW846 8081B", "RES", "SC38778-11", "ESAI", "5103-74-2", "Chlordane (gamma)
(trans)", "0.020", "g/l", "U", "0.016", "MDL", "TARGET", "0.020", "RDL", "YES", "-", "-99", "1020", "10", "0.020",
"TF1-GT-131-090117", "SW846 8081B", "RES", "SC38778-11", "ESAI", "53494-70-5", "Endrin
ketone", "0.020", "g/l", "U", "0.017", "MDL", "TARGET", "0.039", "RDL", "YES", "-", "-99", "1020", "10", "0.020",
"TF1-GT-131-090117", "SW846 8081B", "RES", "SC38778-11", "ESAI", "57-74-
9", "Chlordane", "0.064", "g/l", "U", "0.050", "MDL", "TARGET", "0.064", "RDL", "YES", "-", "-99", "1020", "10", "0.064",
"TF1-GT-131-090117", "SW846 8081B", "RES", "SC38778-11", "ESAI", "58-89-9", "gamma-BHC
(Lindane)", "0.020", "g/l", "U", "0.017", "MDL", "TARGET", "0.020", "RDL", "YES", "-", "-99", "1020", "10", "0.020",
"TF1-GT-131-090117", "SW846 8081B", "RES", "SC38778-11", "ESAI", "60-57-
1", "Dieldrin", "0.020", "g/l", "U", "0.017", "MDL", "TARGET", "0.020", "RDL", "YES", "-", "-99", "1020", "10", "0.020",
"TF1-GT-131-090117", "SW846 8081B", "RES", "SC38778-11", "ESAI", "72-20-
8", "Endrin", "0.020", "g/l", "U", "0.019", "MDL", "TARGET", "0.039", "RDL", "YES", "-", "-99", "1020", "10", "0.020",
"TF1-GT-131-090117", "SW846 8081B", "RES", "SC38778-11", "ESAI", "72-43-
5", "Methoxychlor", "0.020", "g/l", "U", "0.018", "MDL", "TARGET", "0.039", "RDL", "YES", "-", "-99", "1020", "10", "0.020",
"TF1-GT-131-090117", "SW846 8081B", "RES", "SC38778-11", "ESAI", "72-54-8", "4,4'-DDD
(p,p')", "0.020", "g/l", "U", "0.018", "MDL", "TARGET", "0.039", "RDL", "YES", "-", "-99", "1020", "10", "0.020",
"TF1-GT-131-090117", "SW846 8081B", "RES", "SC38778-11", "ESAI", "72-55-9", "4,4'-DDE
(p,p')", "0.020", "g/l", "U", "0.017", "MDL", "TARGET", "0.020", "RDL", "YES", "-", "-99", "1020", "10", "0.020",
"TF1-GT-131-090117", "SW846 8081B", "RES", "SC38778-11", "ESAI", "7421-93-4", "Endrin
aldehyde", "0.020", "g/l", "U", "0.019", "MDL", "TARGET", "0.039", "RDL", "YES", "-", "-99", "1020", "10", "0.020",
"TF1-GT-131-090117", "SW846 8081B", "RES", "SC38778-11", "ESAI", "76-44-
8", "Heptachlor", "0.020", "g/l", "U", "0.019", "MDL", "TARGET", "0.020", "RDL", "YES", "-", "-99", "1020", "10", "0.020",
"TF1-GT-131-090117", "SW846 8081B", "RES", "SC38778-11", "ESAI", "8001-35-

2","Toxaphene","0.490","◆g/l","U","0.322","MDL","TARGET","0.490","RDL","YES","-99","1020","10","0.490",
"TF1-GT-131-090117","SW846 8081B","RES","SC38778-11","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS)","0.020","◆g/ml","-99","NA","ISTD","104","-99","NA","YES","10.0","1020","10","-99",
"TF1-GT-131-090117","SW846 8081B","RES","SC38778-11","ESAI","959-98-8","Endosulfan I","0.020","◆g/l","U","0.016","MDL","TARGET","0.020","RDL","YES","-99","1020","10","0.020",
"TF1-GT-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","ESAI","17060-07-0","1,2-Dichloroethane-d4","50.5","◆g/l","-99","NA","SUR","101","-99","NA","YES","50.0","5","5","-99",
"TF1-GT-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","ESAI","1868-53-7","Dibromofluoromethane","49.5","◆g/l","-99","NA","SUR","99","-99","NA","YES","50.0","5","5","-99",
"TF1-GT-131-090117","SW846 8260C","RES","SC38778-11","ESAI","2037-26-5","Toluene-d8","48.3","◆g/l","-99","NA","SUR","97","-99","NA","YES","50.0","5","5","-99",
"TF1-GT-131-090117","SW846 8260C","RES","SC38778-11","ESAI","3114-55-4","Chlorobenzene-d5","50.0","◆g/l","-99","NA","ISTD","105","-99","NA","YES","50.0","5","5","-99",
"TF1-GT-131-090117","SW846 8260C","RES","SC38778-11","ESAI","3855-82-1","1,4-Dichlorobenzene-d4","50.0","◆g/l","-99","NA","ISTD","102","-99","NA","YES","50.0","5","5","-99",
"TF1-GT-131-090117","SW846 8260C","RES","SC38778-11","ESAI","460-00-4","4-Bromofluorobenzene","49.7","◆g/l","-99","NA","SUR","99","-99","NA","YES","50.0","5","5","-99",
"TF1-GT-131-090117","SW846 8260C","RES","SC38778-11","ESAI","462-06-

6","Fluorobenzene","50.0","g/l","-99","NA","ISTD","106","-99","NA","YES","50.0","5","5","-99",
"TF1-GT-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","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-131-090117","SW846 8260C","RES","SC38778-11","ESAI","98-82-8","Isopropylbenzene","1.1","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GT-131-090117","SW846 8270D","RES","SC38778-11","ESAI","1146-65-2","Naphthalene-d8","40.0","g/ml","-99","NA","ISTD","171","-99","NA","YES","40.0","1030","1","-99",
"TF1-GT-131-090117","SW846 8270D","RES","SC38778-11","ESAI","120-12-7","Anthracene","0.971","g/l","U","0.590","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-GT-131-090117","SW846 8270D","RES","SC38778-11","ESAI","129-00-0","Pyrene","0.971","g/l","U","0.592","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-GT-131-090117","SW846 8270D","RES","SC38778-11","ESAI","15067-26-2","Acenaphthene-d10","40.0","g/ml","-99","NA","ISTD","187","-99","NA","YES","40.0","1030","1","-99",
"TF1-GT-131-090117","SW846 8270D","RES","SC38778-11","ESAI","1517-22-2","Phenanthrene-d10","40.0","g/ml","-99","NA","ISTD","173","-99","NA","YES","40.0","1030","1","-99",
"TF1-GT-131-090117","SW846 8270D","RES","SC38778-11","ESAI","1520-96-3","Perylene-d12","40.0","g/ml","-99","NA","ISTD","169","-99","NA","YES","40.0","1030","1","-99",
"TF1-GT-131-090117","SW846 8270D","RES","SC38778-11","ESAI","1718-51-0","Terphenyl-d14","36.9","g/l","-99","NA","SUR","76","-99","NA","YES","48.5","1030","1","-99",
"TF1-GT-131-090117","SW846 8270D","RES","SC38778-11","ESAI","1719-03-5","Chrysene-d12","40.0","g/ml","-99","NA","ISTD","164","-99","NA","YES","40.0","1030","1","-99",
"TF1-GT-131-090117","SW846 8270D","RES","SC38778-11","ESAI","191-24-2","Benzo (g,h,i) perylene","0.971","g/l","U","0.515","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-GT-131-090117","SW846 8270D","RES","SC38778-11","ESAI","193-39-5","Indeno (1,2,3-cd) pyrene","0.971","g/l","U","0.563","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-GT-131-090117","SW846 8270D","RES","SC38778-11","ESAI","205-99-2","Benzo (b) fluoranthene","0.971","g/l","U","0.424","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-GT-131-090117","SW846 8270D","RES","SC38778-11","ESAI","206-44-0","Fluoranthene","0.971","g/l","U","0.619","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-GT-131-090117","SW846 8270D","RES","SC38778-11","ESAI","207-08-9","Benzo (k) fluoranthene","0.971","g/l","U","0.466","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-GT-131-090117","SW846 8270D","RES","SC38778-11","ESAI","208-96-8","Acenaphthylene","0.971","g/l","U","0.663","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-GT-131-090117","SW846 8270D","RES","SC38778-11","ESAI","218-01-9","Chrysene","0.971","g/l","U","0.517","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-GT-131-090117","SW846 8270D","RES","SC38778-11","ESAI","321-60-8","2-Fluorobiphenyl","25.8","g/l","-99","NA","SUR","53","-99","NA","YES","48.5","1030","1","-99",
"TF1-GT-131-090117","SW846 8270D","RES","SC38778-11","ESAI","4165-60-0","Nitrobenzene-d5","26.5","g/l","-99","NA","SUR","55","-99","NA","YES","48.5","1030","1","-99",
"TF1-GT-131-090117","SW846 8270D","RES","SC38778-11","ESAI","50-32-8","Benzo (a) pyrene","0.971","g/l","U","0.546","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-GT-131-090117","SW846 8270D","RES","SC38778-11","ESAI","53-70-3","Dibenzo (a,h) anthracene","0.971","g/l","U","0.437","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-GT-131-090117","SW846 8270D","RES","SC38778-11","ESAI","56-55-3","Benzo (a) anthracene","0.971","g/l","U","0.520","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-GT-131-090117","SW846 8270D","RES","SC38778-11","ESAI","83-32-9","Acenaphthene","0.971","g/l","U","0.671","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",
"TF1-GT-131-090117","SW846 8270D","RES","SC38778-11","ESAI","85-01-8","Phenanthrene","0.971","g/l","U","0.569","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-GT-131-090117","SW846 8270D","RES","SC38778-11","ESAI","86-73-7","Fluorene","0.971","g/l","U","0.594","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-GT-131-090117","SW846 8270D","RES","SC38778-11","ESAI","90-12-0","1-Methylnaphthalene","0.971","g/l","U","0.712","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-GT-131-090117","SW846 8270D","RES","SC38778-11","ESAI","91-20-3","Naphthalene","0.971","g/l","U","0.665","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-GT-131-090117","SW846 8270D","RES","SC38778-11","ESAI","91-57-6","2-Methylnaphthalene","0.971","g/l","U","0.557","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-GT-131-090117DUP","EPA 300.0","RES","1715074-DUP1","ESAI","14797-55-8","Nitrate as N","0.100","mg/l","U","0.009","MDL","TARGET","0.100","RDL","YES","-99","TF1-GT-131-090117","5","5","0.100",

"TF1-GT-131-090117DUP","EPA 300.0","RES","1715074-DUP1","ESAI","14808-79-8","Sulfate as SO4","3.06","mg/l","0.307","MDL","TARGET","2","1.00","RDL","YES","-99","TF1-GT-131-090117","5","5","1.00",

"TF1-GT-131-090117DUP","EPA 300.0","RES","1715074-DUP1","ESAI","16887-00-6","Chloride","6.60","mg/l","0.0897","MDL","TARGET","0.6","1.00","RDL","YES","-99","TF1-GT-131-090117","5","5","0.100",

"TF1-GT-131-090117MS","EPA 300.0","RES","1715074-MS1","ESAI","14797-55-8","Nitrate as N","0.787","mg/l","0.009","MDL","SPIKE","98","0.100","RDL","YES","0.800","TF1-GT-131-090117","5","5","0.100",

"TF1-GT-131-090117MS","EPA 300.0","RES","1715074-MS1","ESAI","14808-79-8","Sulfate as SO4","11.3","mg/l","0.307","MDL","SPIKE","104","1.00","RDL","YES","8.00","TF1-GT-131-090117","5","5","1.00",

"TF1-GT-131-090117MS","EPA 300.0","RES","1715074-MS1","ESAI","16887-00-6","Chloride","14.9","mg/l","0.0897","MDL","SPIKE","104","1.00","RDL","YES","8.00","TF1-GT-131-090117","5","5","0.100",

"TF1-GT-131-090117MSD","EPA 300.0","RES","1715074-MSD1","ESAI","14797-55-8","Nitrate as N","0.833","mg/l","0.009","MDL","SPIKE","104","6","0.100","RDL","YES","0.800","TF1-GT-131-090117","5","5","0.100",

"TF1-GT-131-090117MSD","EPA 300.0","RES","1715074-MSD1","ESAI","14808-79-8","Sulfate as SO4","11.5","mg/l","0.307","MDL","SPIKE","106","1","1.00","RDL","YES","8.00","TF1-GT-131-090117","5","5","1.00",

"TF1-GT-131-090117MSD","EPA 300.0","RES","1715074-MSD1","ESAI","16887-00-6","Chloride","15.0","mg/l","0.0897","MDL","SPIKE","106","1","1.00","RDL","YES","8.00","TF1-GT-131-090117","5","5","0.100",

"TF1-GZ-114-083117","EPA 200/6000 methods","RES","SC38778-05","ESAI","NA","Preservation","0","N/A","-99","NA","TARGET","-99","NA","YES","-99","1","1","-99","Field Preserved; pH<2 confirmed"

"TF1-GZ-114-083117","EPA 245.1/7470A","RES","SC38778-05","ESAI","7439-97-6","Mercury","0.00020","mg/l","U","0.00013","MDL","TARGET","0.00020","RDL","YES","-99","20","20","0.00020",

"TF1-GZ-114-083117","EPA 300.0","RES","SC38778-05","ESAI","14797-55-8","Nitrate as N","0.100","mg/l","U","0.009","MDL","TARGET","0.100","RDL","YES","-99","5","5","0.100",

"TF1-GZ-114-083117","EPA 300.0","RES","SC38778-05","ESAI","14808-79-8","Sulfate as SO4","22.6","mg/l","0.307","MDL","TARGET","1.00","RDL","YES","-99","5","5","1.00",

"TF1-GZ-114-083117","EPA 300.0","RES","SC38778-05","ESAI","16887-00-6","Chloride","3.44","mg/l","0.0897","MDL","TARGET","1.00","RDL","YES","-99","5","5","0.100",

"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","1763-23-1","Perfluorooctanesulfonate","2","ng/l","Ja","2","MDL","TARGET","6","RDL","YES","-99","-99",

"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","1763-23-1L","13C8-PFOS","33","ng/l","-99","NA","SUR","70","-99","NA","YES","48","-99",

"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","2058-94-8","Perfluoroundecanoic acid","0","ng/l","1","MDL","TARGET","3","RDL","YES","-99","-99","<"

"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","2058-94-8L","13C7-

PFUnDA","31","ng/l","-99","NA","SUR","62","-99","NA","YES","50",,,, "-99",
"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","2706-90-3","Perfluoropentanoic
Acid","0","ng/l","0.5","MDL","TARGET",,"2","RDL","YES","-99",,,, "-99","<"
"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","2706-90-3L","13C5-
PFPeA","46","ng/l","-99","NA","SUR","92","-99","NA","YES","50",,,, "-99",
"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","307-24-4","Perfluorohexanoic
acid","0.7","ng/l","Ja","0.6","MDL","TARGET",,"2","RDL","YES","-99",,,, "-99",
"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","307-24-4L","13C5-
PFHxA","38","ng/l","-99","NA","SUR","76","-99","NA","YES","50",,,, "-99",
"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","307-55-1","Perfluorododecanoic
acid","0","ng/l","0.5","MDL","TARGET",,"2","RDL","YES","-99",,,, "-99","<"
"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","307-55-1L","13C2-
PFDoDA","27","ng/l","-99","NA","SUR","54","-99","NA","YES","50",,,, "-99",
"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","335-67-1","Perfluorooctanoic
acid","2","ng/l","0.6","MDL","TARGET",,"2","RDL","YES","-99",,,, "-99",
"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","335-67-1L","13C8-
PFOA","38","ng/l","-99","NA","SUR","77","-99","NA","YES","50",,,, "-99",
"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","335-76-2","Perfluorodecanoic
acid","0.6","ng/l","Ja","0.5","MDL","TARGET",,"2","RDL","YES","-99",,,, "-99",
"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","335-76-2L","13C6-
PFDA","38","ng/l","-99","NA","SUR","76","-99","NA","YES","50",,,, "-99",
"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","335-77-
3","Perfluorodecanesulfonate","0","ng/l","2","MDL","TARGET",,"6","RDL","YES","-99",,,, "-99","<"
"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","355-46-
4","Perfluorohexanesulfonate","0","ng/l","1","MDL","TARGET",,"3","RDL","YES","-99",,,, "-99","<"
"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","355-46-4L","13C3-
PFHxS","36","ng/l","-99","NA","SUR","77","-99","NA","YES","47",,,, "-99",
"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","375-22-4","Perfluorobutanoic
Acid","0","ng/l","3","MDL","TARGET",,"10","RDL","YES","-99",,,, "-99","<"
"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","375-22-4L","13C4-
PFBA","35","ng/l","-99","NA","SUR","71","-99","NA","YES","50",,,, "-99",
"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","375-73-
5","Perfluorobutanesulfonate","0","ng/l","0.8","MDL","TARGET",,"3","RDL","YES","-99",,,, "-99","<"
"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","375-73-5L","13C3-
PFBS","45","ng/l","-99","NA","SUR","98","-99","NA","YES","46",,,, "-99",
"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","375-85-9","Perfluoroheptanoic
acid","0.9","ng/l","Ja","0.5","MDL","TARGET",,"2","RDL","YES","-99",,,, "-99",
"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","375-85-9L","13C4-
PFHpA","40","ng/l","-99","NA","SUR","81","-99","NA","YES","50",,,, "-99",
"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","375-92-
8","Perfluoroheptanesulfonate","0","ng/l","2","MDL","TARGET",,"6","RDL","YES","-99",,,, "-99","<"
"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","375-95-1","Perfluorononanoic
acid","0.8","ng/l","Ja","0.6","MDL","TARGET",,"2","RDL","YES","-99",,,, "-99",
"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","375-95-1L","13C9-
PFNA","35","ng/l","-99","NA","SUR","70","-99","NA","YES","50",,,, "-99",
"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","376-06-7","Perfluorotetradecanoic
acid","0","ng/l","0.5","MDL","TARGET",,"2","RDL","YES","-99",,,, "-99","<"
"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","376-06-7L","13C2-
PFTeDA","25","ng/l","-99","NA","SUR","49","-99","NA","YES","50",,,, "-99",
"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","72629-94-8","Perfluorotridecanoic
acid","0","ng/l","0.5","MDL","TARGET",,"2","RDL","YES","-99",,,, "-99","<"
"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","754-91-
6","PFOSA","0","ng/l","3","MDL","TARGET",,"9","RDL","YES","-99",,,, "-99","<"
"TF1-GZ-114-083117","EPA 537 Modified","RES","SC38778-05","ESAI","754-91-6L","13C8-
PFOSA","4","ng/l","-99","NA","SUR","9","-99","NA","YES","50",,,, "-99",
"TF1-GZ-114-083117","Mod EPA 3C/SOP RSK-175","RES","SC38778-05","ESAI","74-82-
8","Methane","114","g/l","2.16","MDL","TARGET",,"2.20","RDL","YES","-99",,"10","10","2.20",

"TF1-GZ-114-083117","Mod EPA 3C/SOP RSK-175","RES","SC38778-05","ESAI","74-84-0","Ethane","5.00","mg/l","U","3.48","MDL","TARGET","5.00","RDL","YES","-99","10","10","5.00",
"TF1-GZ-114-083117","SM18-22 5210B","RES","SC38778-05","ESAI","NA","Biochemical Oxygen Demand (5-day)","34.0","mg/l","BOD4","2.74","MDL","TARGET","30.0","RDL","YES","-99","300","300","2.97",
"TF1-GZ-114-083117","SM2320B (97, 11)","RES","SC38778-05","ESAI","NA","Total Alkalinity","36.1","mg/l CaCO3","0.524","MDL","TARGET","2.00","RDL","YES","-99","100","50","1.50",
"TF1-GZ-114-083117","SM5310B (00, 11)","RES","SC38778-05","ESAI","NA","Total Organic Carbon","2.07","mg/l","0.238","MDL","TARGET","1.00","RDL","YES","-99","40","40","0.500",
"TF1-GZ-114-083117","SW846 6010C","RES","SC38778-05","ESAI","7429-90-5","Aluminum","0.185","mg/l","0.0206","MDL","TARGET","0.0500","RDL","YES","-99","50","50","0.0500",
"TF1-GZ-114-083117","SW846 6010C","RES","SC38778-05","ESAI","7439-89-6","Iron","18.7","mg/l","R06","0.0089","MDL","TARGET","0.0800","RDL","YES","-99","50","50","0.0300",
"TF1-GZ-114-083117","SW846 6010C","RES","SC38778-05","ESAI","7439-95-4","Magnesium","2.17","mg/l","0.0088","MDL","TARGET","0.0200","RDL","YES","-99","50","50","0.0100",
"TF1-GZ-114-083117","SW846 6010C","RES","SC38778-05","ESAI","7440-09-7","Potassium","3.19","mg/l","0.120","MDL","TARGET","1.00","RDL","YES","-99","50","50","0.250",
"TF1-GZ-114-083117","SW846 6010C","RES","SC38778-05","ESAI","7440-23-5","Sodium","2.16","mg/l","0.0785","MDL","TARGET","0.500","RDL","YES","-99","50","50","0.250",
"TF1-GZ-114-083117","SW846 6010C","RES","SC38778-05","ESAI","7440-70-2","Calcium","9.34","mg/l","0.0142","MDL","TARGET","0.200","RDL","YES","-99","50","50","0.0500",
"TF1-GZ-114-083117","SW846 6020A","RES","SC38778-05","ESAI","7439-92-1","Lead","0.00022","mg/l","Ja","0.00011","MDL","TARGET","0.0020","RDL","YES","-99","-99",
"TF1-GZ-114-083117","SW846 6020A","RES","SC38778-05","ESAI","7439-96-5","Manganese","2.40","mg/l","0.00090","MDL","TARGET","0.0040","RDL","YES","-99","-99",
"TF1-GZ-114-083117","SW846 6020A","RES","SC38778-05","ESAI","7439-98-7","Molybdenum","0.00025","mg/l","Ja","0.00025","MDL","TARGET","0.0010","RDL","YES","-99","-99",
"TF1-GZ-114-083117","SW846 6020A","RES","SC38778-05","ESAI","7440-02-0","Nickel","0.0074","mg/l","0.0010","MDL","TARGET","0.0040","RDL","YES","-99","-99",
"TF1-GZ-114-083117","SW846 6020A","RES","SC38778-05","ESAI","7440-22-4","Silver","0","mg/l","0.00015","MDL","TARGET","0.0010","RDL","YES","-99","-99",
"TF1-GZ-114-083117","SW846 6020A","RES","SC38778-05","ESAI","7440-28-0","Thallium","0","mg/l","0.00012","MDL","TARGET","0.0010","RDL","YES","-99","-99",
"TF1-GZ-114-083117","SW846 6020A","RES","SC38778-05","ESAI","7440-36-0","Antimony","0","mg/l","0.00045","MDL","TARGET","0.0020","RDL","YES","-99","-99",
"TF1-GZ-114-083117","SW846 6020A","RES","SC38778-05","ESAI","7440-38-2","Arsenic","0.0040","mg/l","Ja","0.00072","MDL","TARGET","0.0040","RDL","YES","-99","-99",
"TF1-GZ-114-083117","SW846 6020A","RES","SC38778-05","ESAI","7440-39-3","Barium","0.0155","mg/l","0.00072","MDL","TARGET","0.0040","RDL","YES","-99","-99",
"TF1-GZ-114-083117","SW846 6020A","RES","SC38778-05","ESAI","7440-41-7","Beryllium","0","mg/l","0.000071","MDL","TARGET","0.0010","RDL","YES","-99","-99",
"TF1-GZ-114-083117","SW846 6020A","RES","SC38778-05","ESAI","7440-43-9","Cadmium","0","mg/l","0.00015","MDL","TARGET","0.0010","RDL","YES","-99","-99",
"TF1-GZ-114-083117","SW846 6020A","RES","SC38778-05","ESAI","7440-47-3","Chromium","0","mg/l","0.00087","MDL","TARGET","0.0040","RDL","YES","-99","-99",
"TF1-GZ-114-083117","SW846 6020A","RES","SC38778-05","ESAI","7440-48-4","Cobalt","0.0281","mg/l","0.00016","MDL","TARGET","0.0010","RDL","YES","-99","-99",
"TF1-GZ-114-083117","SW846 6020A","RES","SC38778-05","ESAI","7440-50-8","Copper","0.0019","mg/l","Ja","0.00054","MDL","TARGET","0.0040","RDL","YES","-99","-99",
"TF1-GZ-114-083117","SW846 6020A","RES","SC38778-05","ESAI","7440-62-2","Vanadium","0.00033","mg/l","Ja","0.00021","MDL","TARGET","0.0010","RDL","YES","-99","-99",
"TF1-GZ-114-083117","SW846 6020A","RES","SC38778-05","ESAI","7440-66-6","Zinc","0.0187","mg/l","Ja","0.0039","MDL","TARGET","0.0300","RDL","YES","-99","-99",
"TF1-GZ-114-083117","SW846 6020A","RES","SC38778-05","ESAI","7782-49-2","Selenium","0","mg/l","0.00050","MDL","TARGET","0.0040","RDL","YES","-99","-99",
"TF1-GZ-114-083117","SW-846 8015B","RES","SC38778-05","ESAI","108-90-7","Chlorobenzene","0.016","mg/l","-99","NA","SUR","112","-99","NA","YES","0.014","-99",
"TF1-GZ-114-083117","SW-846 8015B","RES","SC38778-05","ESAI","84-15-

1","Orthoterphenyl","0.013","mg/l","-99","NA","SUR","93","-99","NA","YES","0.014",,,, "-99",
"TF1-GZ-114-083117","SW-846 8015B","RES","SC38778-05","ESAI","PHCC8C44","C8-
C44","0.10","mg/l","Ja","0.059","MDL","TARGET",,,"0.23","RDL","YES","-99",,,, "-99",
"TF1-GZ-114-083117","SW-846 8015B","RES","SC38778-05","ESAI","PHCE","Total
TPH","0.10","mg/l","Ja","0.059","MDL","TARGET",,,"0.23","RDL","YES","-99",,,, "-99",
"TF1-GZ-114-083117","SW846 8081B","RES","SC38778-05","ESAI","1024-57-3","Heptachlor
epoxide","0.022","g/l","U","0.017","MDL","TARGET",,,"0.022","RDL","YES","-99",,"910","10","0.022",
"TF1-GZ-114-083117","SW846 8081B","RES","SC38778-05","ESAI","1031-07-8","Endosulfan
sulfate","0.022","g/l","U","0.022","MDL","TARGET",,,"0.044","RDL","YES","-99",,"910","10","0.022",
"TF1-GZ-114-083117","SW846 8081B","RES","SC38778-05","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl
(Sr)","0.225","g/l",, "-99","NA","SUR","102",, "-99","NA","YES","0.220",,"910","10", "-99",
"TF1-GZ-114-083117","SW846 8081B","RES","SC38778-05","ESAI","15972-60-
8","Alachlor","0.022","g/l","U","0.021","MDL","TARGET",,,"0.022","RDL","YES","-99",,"910","10","0.022",
"TF1-GZ-114-083117","SW846 8081B","RES","SC38778-05","ESAI","2051-24-3","Decachlorobiphenyl
(Sr)","0.203","g/l",, "-99","NA","SUR","92",, "-99","NA","YES","0.220",,"910","10", "-99",
"TF1-GZ-114-083117","SW846 8081B","RES","SC38778-05","ESAI","309-00-
2","Aldrin","0.022","g/l","U","0.017","MDL","TARGET",,,"0.022","RDL","YES","-99",,"910","10","0.022",
"TF1-GZ-114-083117","SW846 8081B","RES","SC38778-05","ESAI","319-84-6","alpha-
BHC","0.022","g/l","U","0.013","MDL","TARGET",,,"0.022","RDL","YES","-99",,"910","10","0.022",
"TF1-GZ-114-083117","SW846 8081B","RES","SC38778-05","ESAI","319-85-7","beta-
BHC","0.022","g/l","U","0.016","MDL","TARGET",,,"0.022","RDL","YES","-99",,"910","10","0.022",
"TF1-GZ-114-083117","SW846 8081B","RES","SC38778-05","ESAI","319-86-8","delta-
BHC","0.022","g/l","U","0.017","MDL","TARGET",,,"0.022","RDL","YES","-99",,"910","10","0.022",
"TF1-GZ-114-083117","SW846 8081B","RES","SC38778-05","ESAI","33213-65-9","Endosulfan
II","0.022","g/l","U","0.022","MDL","TARGET",,,"0.044","RDL","YES","-99",,"910","10","0.022",
"TF1-GZ-114-083117","SW846 8081B","RES","SC38778-05","ESAI","50-29-3","4,4'-DDT
(p,p')","0.033","g/l","U","0.019","MDL","TARGET",,,"0.044","RDL","YES","-99",,"910","10","0.033",
"TF1-GZ-114-083117","SW846 8081B","RES","SC38778-05","ESAI","5103-71-9","alpha-
Chlordane","0.022","g/l","U","0.017","MDL","TARGET",,,"0.022","RDL","YES","-99",,"910","10","0.022",
"TF1-GZ-114-083117","SW846 8081B","RES","SC38778-05","ESAI","5103-74-2","Chlordane (gamma)
(trans)","0.022","g/l","U","0.018","MDL","TARGET",,,"0.022","RDL","YES","-99",,"910","10","0.022",
"TF1-GZ-114-083117","SW846 8081B","RES","SC38778-05","ESAI","53494-70-5","Endrin
ketone","0.022","g/l","U","0.019","MDL","TARGET",,,"0.044","RDL","YES","-99",,"910","10","0.022",
"TF1-GZ-114-083117","SW846 8081B","RES","SC38778-05","ESAI","57-74-
9","Chlordane","0.071","g/l","U","0.056","MDL","TARGET",,,"0.071","RDL","YES","-99",,"910","10","0.071"
",
"TF1-GZ-114-083117","SW846 8081B","RES","SC38778-05","ESAI","58-89-9","gamma-BHC
(Lindane)","0.022","g/l","U","0.019","MDL","TARGET",,,"0.022","RDL","YES","-99",,"910","10","0.022",
"TF1-GZ-114-083117","SW846 8081B","RES","SC38778-05","ESAI","60-57-
1","Dieldrin","0.022","g/l","U","0.019","MDL","TARGET",,,"0.022","RDL","YES","-99",,"910","10","0.022",
"TF1-GZ-114-083117","SW846 8081B","RES","SC38778-05","ESAI","72-20-
8","Endrin","0.022","g/l","U","0.021","MDL","TARGET",,,"0.044","RDL","YES","-99",,"910","10","0.022",
"TF1-GZ-114-083117","SW846 8081B","RES","SC38778-05","ESAI","72-43-
5","Methoxychlor","0.022","g/l","U","0.020","MDL","TARGET",,,"0.044","RDL","YES","-99",,"910","10","0.0
22",
"TF1-GZ-114-083117","SW846 8081B","RES","SC38778-05","ESAI","72-54-8","4,4'-DDD
(p,p')","0.022","g/l","U","0.020","MDL","TARGET",,,"0.044","RDL","YES","-99",,"910","10","0.022",
"TF1-GZ-114-083117","SW846 8081B","RES","SC38778-05","ESAI","72-55-9","4,4'-DDE
(p,p')","0.022","g/l","U","0.020","MDL","TARGET",,,"0.022","RDL","YES","-99",,"910","10","0.022",
"TF1-GZ-114-083117","SW846 8081B","RES","SC38778-05","ESAI","7421-93-4","Endrin
aldehyde","0.022","g/l","U","0.021","MDL","TARGET",,,"0.044","RDL","YES","-99",,"910","10","0.022",
"TF1-GZ-114-083117","SW846 8081B","RES","SC38778-05","ESAI","76-44-
8","Heptachlor","0.022","g/l","U","0.022","MDL","TARGET",,,"0.022","RDL","YES","-99",,"910","10","0.022"
",
"TF1-GZ-114-083117","SW846 8081B","RES","SC38778-05","ESAI","8001-35-
2","Toxaphene","0.549","g/l","U","0.360","MDL","TARGET",,,"0.549","RDL","YES","-99",,"910","10","0.549"
",
",

"TF1-GZ-114-083117","SW846 8081B","RES","SC38778-05","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS)","0.020","g/ml","-99","NA","ISTD","125","-99","NA","YES","10.0","910","10","-99",
"TF1-GZ-114-083117","SW846 8081B","RES","SC38778-05","ESAI","959-98-8","Endosulfan I","0.022","g/l","U","0.018","MDL","TARGET","0.022","RDL","YES","-99","910","10","0.022",
"TF1-GZ-114-083117","SW846 8260C","RES","SC38778-05","ESAI","100-41-4","Ethylbenzene","0.4","g/l","J","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-GZ-114-083117","SW846 8260C","RES","SC38778-05","ESAI","100-42-5","Styrene","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GZ-114-083117","SW846 8260C","RES","SC38778-05","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-GZ-114-083117","SW846 8260C","RES","SC38778-05","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-GZ-114-083117","SW846 8260C","RES","SC38778-05","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-GZ-114-083117","SW846 8260C","RES","SC38778-05","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-GZ-114-083117","SW846 8260C","RES","SC38778-05","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-GZ-114-083117","SW846 8260C","RES","SC38778-05","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-GZ-114-083117","SW846 8260C","RES","SC38778-05","ESAI","108-87-2","Methylcyclohexane","2.0","g/l","U","0.7","MDL","TARGET","5.0","RDL","YES","-99","5","5","2.0",
"TF1-GZ-114-083117","SW846 8260C","RES","SC38778-05","ESAI","108-88-3","Toluene","1.5","g/l","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GZ-114-083117","SW846 8260C","RES","SC38778-05","ESAI","108-90-7","Chlorobenzene","0.5","g/l","U","0.2","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-GZ-114-083117","SW846 8260C","RES","SC38778-05","ESAI","110-82-7","Cyclohexane","2.0","g/l","U","0.8","MDL","TARGET","5.0","RDL","YES","-99","5","5","2.0",
"TF1-GZ-114-083117","SW846 8260C","RES","SC38778-05","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-GZ-114-083117","SW846 8260C","RES","SC38778-05","ESAI","124-48-1","Dibromochloromethane","0.5","g/l","U","0.3","MDL","TARGET","0.5","RDL","YES","-99","5","5","0.5",
"TF1-GZ-114-083117","SW846 8260C","RES","SC38778-05","ESAI","127-18-4","Tetrachloroethene","1.0","g/l","U","0.6","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GZ-114-083117","SW846 8260C","RES","SC38778-05","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-GZ-114-083117","SW846 8260C","RES","SC38778-05","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-GZ-114-083117","SW846 8260C","RES","SC38778-05","ESAI","1634-04-4","Methyl tert-butyl ether","5.2","g/l","0.2","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-GZ-114-083117","SW846 8260C","RES","SC38778-05","ESAI","17060-07-0","1,2-Dichloroethane-d4","51.0","g/l","-99","NA","SUR","102","-99","NA","YES","50.0","5","5","-99",
"TF1-GZ-114-083117","SW846 8260C","RES","SC38778-05","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-GZ-114-083117","SW846 8260C","RES","SC38778-05","ESAI","1868-53-7","Dibromofluoromethane","49.5","g/l","-99","NA","SUR","99","-99","NA","YES","50.0","5","5","-99",
"TF1-GZ-114-083117","SW846 8260C","RES","SC38778-05","ESAI","2037-26-5","Toluene-d8","49.2","g/l","-99","NA","SUR","98","-99","NA","YES","50.0","5","5","-99",
"TF1-GZ-114-083117","SW846 8260C","RES","SC38778-05","ESAI","3114-55-4","Chlorobenzene-d5","50.0","g/l","-99","NA","ISTD","102","-99","NA","YES","50.0","5","5","-99",
"TF1-GZ-114-083117","SW846 8260C","RES","SC38778-05","ESAI","3855-82-1","1,4-Dichlorobenzene-d4","50.0","g/l","-99","NA","ISTD","100","-99","NA","YES","50.0","5","5","-99",
"TF1-GZ-114-083117","SW846 8260C","RES","SC38778-05","ESAI","460-00-4","4-Bromofluorobenzene","49.2","g/l","-99","NA","SUR","98","-99","NA","YES","50.0","5","5","-99",
"TF1-GZ-114-083117","SW846 8260C","RES","SC38778-05","ESAI","462-06-6","Fluorobenzene","50.0","g/l","-99","NA","ISTD","105","-99","NA","YES","50.0","5","5","-99",
"TF1-GZ-114-083117","SW846 8260C","RES","SC38778-05","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-GZ-114-083117", "SW846 8260C", "RES", "SC38778-05", "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-GZ-114-083117", "SW846 8260C", "RES", "SC38778-05", "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-GZ-114-083117", "SW846 8260C", "RES", "SC38778-05", "ESAI", "67-64-
1", "Acetone", "1.8", "g/l", "J", "0.8", "MDL", "TARGET", "10.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-GZ-114-083117", "SW846 8260C", "RES", "SC38778-05", "ESAI", "67-66-
3", "Chloroform", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GZ-114-083117", "SW846 8260C", "RES", "SC38778-05", "ESAI", "71-43-
2", "Benzene", "0.6", "g/l", "J", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-GZ-114-083117", "SW846 8260C", "RES", "SC38778-05", "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-GZ-114-083117", "SW846 8260C", "RES", "SC38778-05", "ESAI", "74-83-
9", "Bromomethane", "2.0", "g/l", "U", "0.9", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-GZ-114-083117", "SW846 8260C", "RES", "SC38778-05", "ESAI", "74-87-
3", "Chloromethane", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GZ-114-083117", "SW846 8260C", "RES", "SC38778-05", "ESAI", "74-97-
5", "Bromochloromethane", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GZ-114-083117", "SW846 8260C", "RES", "SC38778-05", "ESAI", "75-00-
3", "Chloroethane", "2.0", "g/l", "U", "0.6", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-GZ-114-083117", "SW846 8260C", "RES", "SC38778-05", "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-GZ-114-083117", "SW846 8260C", "RES", "SC38778-05", "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-GZ-114-083117", "SW846 8260C", "RES", "SC38778-05", "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-GZ-114-083117", "SW846 8260C", "RES", "SC38778-05", "ESAI", "75-25-
2", "Bromoform", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GZ-114-083117", "SW846 8260C", "RES", "SC38778-05", "ESAI", "75-27-
4", "Bromodichloromethane", "0.5", "g/l", "U", "0.4", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-GZ-114-083117", "SW846 8260C", "RES", "SC38778-05", "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-GZ-114-083117", "SW846 8260C", "RES", "SC38778-05", "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-GZ-114-083117", "SW846 8260C", "RES", "SC38778-05", "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-GZ-114-083117", "SW846 8260C", "RES", "SC38778-05", "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-GZ-114-083117", "SW846 8260C", "RES", "SC38778-05", "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-GZ-114-083117", "SW846 8260C", "RES", "SC38778-05", "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-GZ-114-083117", "SW846 8260C", "RES", "SC38778-05", "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-GZ-114-083117", "SW846 8260C", "RES", "SC38778-05", "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-GZ-114-083117", "SW846 8260C", "RES", "SC38778-05", "ESAI", "79-01-
6", "Trichloroethene", "1.0", "g/l", "U", "0.5", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-GZ-114-083117", "SW846 8260C", "RES", "SC38778-05", "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-GZ-114-083117", "SW846 8260C", "RES", "SC38778-05", "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-GZ-114-083117", "SW846 8260C", "RES", "SC38778-05", "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-GZ-114-083117", "SW846 8260C", "RES", "SC38778-05", "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-GZ-114-083117","SW846 8260C","RES","SC38778-05","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-GZ-114-083117","SW846 8260C","RES","SC38778-05","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-GZ-114-083117","SW846 8260C","RES","SC38778-05","ESAI","98-82-8","Isopropylbenzene","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GZ-114-083117","SW846 8270D","RES","SC38778-05","ESAI","1146-65-2","Naphthalene-d8","40.0","g/ml","-99","NA","ISTD","121","-99","NA","YES","40.0","850","1","-99",
"TF1-GZ-114-083117","SW846 8270D","RES","SC38778-05","ESAI","120-12-7","Anthracene","1.18","g/l","U","0.715","MDL","TARGET","5.88","RDL","YES","-99","850","1","1.18",
"TF1-GZ-114-083117","SW846 8270D","RES","SC38778-05","ESAI","129-00-0","Pyrene","1.18","g/l","U","0.718","MDL","TARGET","5.88","RDL","YES","-99","850","1","1.18",
"TF1-GZ-114-083117","SW846 8270D","RES","SC38778-05","ESAI","15067-26-2","Acenaphthene-d10","40.0","g/ml","-99","NA","ISTD","127","-99","NA","YES","40.0","850","1","-99",
"TF1-GZ-114-083117","SW846 8270D","RES","SC38778-05","ESAI","1517-22-2","Phenanthrene-d10","40.0","g/ml","-99","NA","ISTD","120","-99","NA","YES","40.0","850","1","-99",
"TF1-GZ-114-083117","SW846 8270D","RES","SC38778-05","ESAI","1520-96-3","Perylene-d12","40.0","g/ml","-99","NA","ISTD","120","-99","NA","YES","40.0","850","1","-99",
"TF1-GZ-114-083117","SW846 8270D","RES","SC38778-05","ESAI","1718-51-0","Terphenyl-d14","42.5","g/l","-99","NA","SUR","72","-99","NA","YES","58.8","850","1","-99",
"TF1-GZ-114-083117","SW846 8270D","RES","SC38778-05","ESAI","1719-03-5","Chrysene-d12","40.0","g/ml","-99","NA","ISTD","108","-99","NA","YES","40.0","850","1","-99",
"TF1-GZ-114-083117","SW846 8270D","RES","SC38778-05","ESAI","191-24-2","Benzo (g,h,i) perylene","1.18","g/l","U","0.624","MDL","TARGET","5.88","RDL","YES","-99","850","1","1.18",
"TF1-GZ-114-083117","SW846 8270D","RES","SC38778-05","ESAI","193-39-5","Indeno (1,2,3-cd) pyrene","1.18","g/l","U","0.682","MDL","TARGET","5.88","RDL","YES","-99","850","1","1.18",
"TF1-GZ-114-083117","SW846 8270D","RES","SC38778-05","ESAI","205-99-2","Benzo (b) fluoranthene","1.18","g/l","U","0.514","MDL","TARGET","5.88","RDL","YES","-99","850","1","1.18",
"TF1-GZ-114-083117","SW846 8270D","RES","SC38778-05","ESAI","206-44-0","Fluoranthene","1.18","g/l","U","0.751","MDL","TARGET","5.88","RDL","YES","-99","850","1","1.18",
"TF1-GZ-114-083117","SW846 8270D","RES","SC38778-05","ESAI","207-08-9","Benzo (k) fluoranthene","1.18","g/l","U","0.565","MDL","TARGET","5.88","RDL","YES","-99","850","1","1.18",
"TF1-GZ-114-083117","SW846 8270D","RES","SC38778-05","ESAI","208-96-8","Acenaphthylene","1.18","g/l","U","0.804","MDL","TARGET","5.88","RDL","YES","-99","850","1","1.18",
"TF1-GZ-114-083117","SW846 8270D","RES","SC38778-05","ESAI","218-01-9","Chrysene","1.18","g/l","U","0.626","MDL","TARGET","5.88","RDL","YES","-99","850","1","1.18",
"TF1-GZ-114-083117","SW846 8270D","RES","SC38778-05","ESAI","321-60-8","2-Fluorobiphenyl","37.8","g/l","-99","NA","SUR","64","-99","NA","YES","58.8","850","1","-99",
"TF1-GZ-114-083117","SW846 8270D","RES","SC38778-05","ESAI","4165-60-0","Nitrobenzene-d5","36.8","g/l","-99","NA","SUR","63","-99","NA","YES","58.8","850","1","-99",
"TF1-GZ-114-083117","SW846 8270D","RES","SC38778-05","ESAI","50-32-8","Benzo (a) pyrene","1.18","g/l","U","0.661","MDL","TARGET","5.88","RDL","YES","-99","850","1","1.18",
"TF1-GZ-114-083117","SW846 8270D","RES","SC38778-05","ESAI","53-70-3","Dibenzo (a,h) anthracene","1.18","g/l","U","0.529","MDL","TARGET","5.88","RDL","YES","-99","850","1","1.18",
"TF1-GZ-114-083117","SW846 8270D","RES","SC38778-05","ESAI","56-55-3","Benzo (a) anthracene","1.18","g/l","U","0.631","MDL","TARGET","5.88","RDL","YES","-99","850","1","1.18",
"TF1-GZ-114-083117","SW846 8270D","RES","SC38778-05","ESAI","83-32-9","Acenaphthene","1.18","g/l","U","0.813","MDL","TARGET","5.88","RDL","YES","-99","850","1","1.18",
"TF1-GZ-114-083117","SW846 8270D","RES","SC38778-05","ESAI","85-01-8","Phenanthrene","1.18","g/l","U","0.689","MDL","TARGET","5.88","RDL","YES","-99","850","1","1.18",
"TF1-GZ-114-083117","SW846 8270D","RES","SC38778-05","ESAI","86-73-7","Fluorene","1.18","g/l","U","0.720","MDL","TARGET","5.88","RDL","YES","-99","850","1","1.18",
"TF1-GZ-114-083117","SW846 8270D","RES","SC38778-05","ESAI","90-12-0","1-Methylnaphthalene","1.18","g/l","U","0.862","MDL","TARGET","5.88","RDL","YES","-99","850","1","1.18",
"TF1-GZ-114-083117","SW846 8270D","RES","SC38778-05","ESAI","91-20-

3","Naphthalene","1.18","◆g/l","U","0.806","MDL","TARGET",,"5.88","RDL","YES",-99,,850,"1","1.18",
"TF1-GZ-114-083117","SW846 8270D","RES","SC38778-05","ESAI","91-57-6","2-
Methylnaphthalene","1.18","◆g/l","U","0.675","MDL","TARGET",,"5.88","RDL","YES",-99,,850,"1","1.18",
,"
"TF1-GZ-117-083117","EPA 200/6000 methods","RES","SC38778-
06","ESAI","NA","Preservation","0","N/A",-99,"NA","TARGET",,"-99","NA","YES",-99,,1,"1",-99,"Field
Preserved; pH<2 confirmed"
"TF1-GZ-117-083117","EPA 245.1/7470A","RES","SC38778-06","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-GZ-117-083117","EPA 300.0","RES","SC38778-06","ESAI","14797-55-8","Nitrate as
N","0.100","mg/l","U","0.009","MDL","TARGET",,"0.100","RDL","YES",-99,,5,"5","0.100",
"TF1-GZ-117-083117","EPA 300.0","RES","SC38778-06","ESAI","14808-79-8","Sulfate as
SO4","3.14","mg/l","0.307","MDL","TARGET",,"1.00","RDL","YES",-99,,5,"5","1.00",
"TF1-GZ-117-083117","EPA 300.0","RES","SC38778-06","ESAI","16887-00-
6","Chloride","9.81","mg/l","0.0897","MDL","TARGET",,"1.00","RDL","YES",-99,,5,"5","0.100",
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","1763-23-1","Perfluoro-
octanesulfonate","5","ng/l","Ja","2","MDL","TARGET",,"6","RDL","YES",-99,,,"-99",
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","1763-23-1L","13C8-
PFOS","34","ng/l",-99,"NA","SUR","71",-99,"NA","YES","48",,"-99",
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","2058-94-8","Perfluoroundecanoic
acid","0","ng/l","1","MDL","TARGET",,"3","RDL","YES",-99,,,"-99","<"
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","2058-94-8L","13C7-
PFUnDA","33","ng/l",-99,"NA","SUR","66",-99,"NA","YES","50",,"-99",
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","2706-90-3","Perfluoropentanoic
Acid","2","ng/l","0.5","MDL","TARGET",,"2","RDL","YES",-99,,,"-99",
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","2706-90-3L","13C5-
PFPeA","45","ng/l",-99,"NA","SUR","90",-99,"NA","YES","50",,"-99",
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","307-24-4","Perfluorohexanoic
acid","2","ng/l","0.6","MDL","TARGET",,"2","RDL","YES",-99,,,"-99",
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","307-24-4L","13C5-
PFHxA","41","ng/l",-99,"NA","SUR","81",-99,"NA","YES","50",,"-99",
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","307-55-1","Perfluorododecanoic
acid","0","ng/l","0.5","MDL","TARGET",,"2","RDL","YES",-99,,,"-99","<"
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","307-55-1L","13C2-
PFDoDA","26","ng/l",-99,"NA","SUR","51",-99,"NA","YES","50",,"-99",
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","335-67-1","Perfluorooctanoic
acid","5","ng/l","0.6","MDL","TARGET",,"2","RDL","YES",-99,,,"-99",
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","335-67-1L","13C8-
PFOA","40","ng/l",-99,"NA","SUR","79",-99,"NA","YES","50",,"-99",
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","335-76-2","Perfluorodecanoic
acid","0","ng/l","0.5","MDL","TARGET",,"2","RDL","YES",-99,,,"-99","<"
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","335-76-2L","13C6-
PFDA","39","ng/l",-99,"NA","SUR","77",-99,"NA","YES","50",,"-99",
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","335-77-
3","Perfluorodecanesulfonate","0","ng/l","2","MDL","TARGET",,"6","RDL","YES",-99,,,"-99","<"
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","355-46-
4","Perfluorohexanesulfonate","2","ng/l","Ja","1","MDL","TARGET",,"3","RDL","YES",-99,,,"-99",
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","355-46-4L","13C3-
PFHxS","34","ng/l",-99,"NA","SUR","72",-99,"NA","YES","48",,"-99",
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","375-22-4","Perfluorobutanoic
Acid","0","ng/l","3","MDL","TARGET",,"10","RDL","YES",-99,,,"-99","<"
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","375-22-4L","13C4-
PFBA","38","ng/l",-99,"NA","SUR","75",-99,"NA","YES","50",,"-99",
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","375-73-
5","Perfluorobutanesulfonate","0","ng/l","0.8","MDL","TARGET",,"3","RDL","YES",-99,,,"-99","<"
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","375-73-5L","13C3-

PFBS","41","ng/l","-99","NA","SUR","88","-99","NA","YES","47",,"-99",
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","375-85-9","Perfluoroheptanoic
acid","1","ng/l","Ja","0.5","MDL","TARGET",,"2","RDL","YES","-99",,"-99",
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","375-85-9L","13C4-
PFHpA","39","ng/l","-99","NA","SUR","77","-99","NA","YES","50",,"-99",
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","375-92-
8","Perfluoroheptanesulfonate","0","ng/l","2","MDL","TARGET",,"6","RDL","YES","-99",,"-99", "<"
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","375-95-1","Perfluorononanoic
acid","0","ng/l","0.6","MDL","TARGET",,"2","RDL","YES","-99",,"-99", "<"
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","375-95-1L","13C9-
PFNA","33","ng/l","-99","NA","SUR","66","-99","NA","YES","50",,"-99",
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","376-06-7","Perfluorotetradecanoic
acid","0","ng/l","0.5","MDL","TARGET",,"2","RDL","YES","-99",,"-99", "<"
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","376-06-7L","13C2-
PFTeDA","25","ng/l","-99","NA","SUR","50","-99","NA","YES","50",,"-99",
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","72629-94-8","Perfluorotridecanoic
acid","0","ng/l","0.5","MDL","TARGET",,"2","RDL","YES","-99",,"-99", "<"
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","754-91-
6","PFOSA","0","ng/l","3","MDL","TARGET",,"9","RDL","YES","-99",,"-99", "<"
"TF1-GZ-117-083117","EPA 537 Modified","RES","SC38778-06","ESAI","754-91-6L","13C8-
PFOSA","19","ng/l","-99","NA","SUR","37","-99","NA","YES","50",,"-99",
"TF1-GZ-117-083117","Mod EPA 3C/SOP RSK-175","RES","SC38778-06","ESAI","74-82-
8","Methane","33.0","g/l","2.16","MDL","TARGET",,"2.20","RDL","YES","-99",,"10","10","2.20",
"TF1-GZ-117-083117","Mod EPA 3C/SOP RSK-175","RES","SC38778-06","ESAI","74-84-
0","Ethane","5.00","g/l","U","3.48","MDL","TARGET",,"5.00","RDL","YES","-99",,"10","10","5.00",
"TF1-GZ-117-083117","SM18-22 5210B","RES","SC38778-06","ESAI","NA","Biochemical Oxygen Demand (5-
day)","115","mg/l","BOD4","2.74","MDL","TARGET",,"30.0","RDL","YES","-99",,"300","300","2.97",
"TF1-GZ-117-083117","SM2320B (97, 11)","RES","SC38778-06","ESAI","NA","Total Alkalinity","83.6","mg/l
CaCO3","0.524","MDL","TARGET",,"2.00","RDL","YES","-99",,"100","50","1.50",
"TF1-GZ-117-083117","SM5310B (00, 11)","RES","SC38778-06","ESAI","NA","Total Organic
Carbon","1.08","mg/l","0.238","MDL","TARGET",,"1.00","RDL","YES","-99",,"40","40","0.500",
"TF1-GZ-117-083117","SW846 6010C","RES","SC38778-06","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-GZ-117-083117","SW846 6010C","RES","SC38778-06","ESAI","7439-89-
6","Iron","16.4","mg/l","R06","0.0089","MDL","TARGET",,"0.0800","RDL","YES","-99",,"50","50","0.0300",
"TF1-GZ-117-083117","SW846 6010C","RES","SC38778-06","ESAI","7439-95-
4","Magnesium","5.28","mg/l","0.0088","MDL","TARGET",,"0.0200","RDL","YES","-99",,"50","50","0.0100",
"TF1-GZ-117-083117","SW846 6010C","RES","SC38778-06","ESAI","7440-09-
7","Potassium","1.06","mg/l","0.120","MDL","TARGET",,"1.00","RDL","YES","-99",,"50","50","0.250",
"TF1-GZ-117-083117","SW846 6010C","RES","SC38778-06","ESAI","7440-23-
5","Sodium","6.05","mg/l","0.0785","MDL","TARGET",,"0.500","RDL","YES","-99",,"50","50","0.250",
"TF1-GZ-117-083117","SW846 6010C","RES","SC38778-06","ESAI","7440-70-
2","Calcium","13.7","mg/l","0.0142","MDL","TARGET",,"0.200","RDL","YES","-99",,"50","50","0.0500",
"TF1-GZ-117-083117","SW846 6020A","DL5","SC38778-06","ESAI","7439-96-
5","Manganese","12.9","mg/l","0.0045","MDL","TARGET",,"0.0200","RDL","YES","-99",,"-99",
"TF1-GZ-117-083117","SW846 6020A","RES","SC38778-06","ESAI","7439-92-
1","Lead","0","mg/l","0.00011","MDL","TARGET",,"0.0020","RDL","YES","-99",,"-99", "<"
"TF1-GZ-117-083117","SW846 6020A","RES","SC38778-06","ESAI","7439-98-
7","Molybdenum","0.0037","mg/l","0.00025","MDL","TARGET",,"0.0010","RDL","YES","-99",,"-99",
"TF1-GZ-117-083117","SW846 6020A","RES","SC38778-06","ESAI","7440-02-
0","Nickel","0.0173","mg/l","0.0010","MDL","TARGET",,"0.0040","RDL","YES","-99",,"-99",
"TF1-GZ-117-083117","SW846 6020A","RES","SC38778-06","ESAI","7440-22-
4","Silver","0","mg/l","0.00015","MDL","TARGET",,"0.0010","RDL","YES","-99",,"-99", "<"
"TF1-GZ-117-083117","SW846 6020A","RES","SC38778-06","ESAI","7440-28-
0","Thallium","0","mg/l","0.00012","MDL","TARGET",,"0.0010","RDL","YES","-99",,"-99", "<"
"TF1-GZ-117-083117","SW846 6020A","RES","SC38778-06","ESAI","7440-36-

0","Antimony","0","mg/l","0.00045","MDL","TARGET","0.0020","RDL","YES","-99",,,,"-99","<"
"TF1-GZ-117-083117","SW846 6020A","RES","SC38778-06","ESAI","7440-38-2","Arsenic","0.136","mg/l","0.00072","MDL","TARGET","0.0040","RDL","YES","-99",,,,"-99",
"TF1-GZ-117-083117","SW846 6020A","RES","SC38778-06","ESAI","7440-39-3","Barium","0.0190","mg/l","0.00072","MDL","TARGET","0.0040","RDL","YES","-99",,,,"-99",
"TF1-GZ-117-083117","SW846 6020A","RES","SC38778-06","ESAI","7440-41-7","Beryllium","0","mg/l","0.000071","MDL","TARGET","0.0010","RDL","YES","-99",,,,"-99","<"
"TF1-GZ-117-083117","SW846 6020A","RES","SC38778-06","ESAI","7440-43-9","Cadmium","0","mg/l","0.00015","MDL","TARGET","0.0010","RDL","YES","-99",,,,"-99","<"
"TF1-GZ-117-083117","SW846 6020A","RES","SC38778-06","ESAI","7440-47-3","Chromium","0","mg/l","0.00087","MDL","TARGET","0.0040","RDL","YES","-99",,,,"-99","<"
"TF1-GZ-117-083117","SW846 6020A","RES","SC38778-06","ESAI","7440-48-4","Cobalt","0.0734","mg/l","0.00016","MDL","TARGET","0.0010","RDL","YES","-99",,,,"-99",
"TF1-GZ-117-083117","SW846 6020A","RES","SC38778-06","ESAI","7440-50-8","Copper","0","mg/l","0.00054","MDL","TARGET","0.0040","RDL","YES","-99",,,,"-99","<"
"TF1-GZ-117-083117","SW846 6020A","RES","SC38778-06","ESAI","7440-62-2","Vanadium","0","mg/l","0.00021","MDL","TARGET","0.0010","RDL","YES","-99",,,,"-99","<"
"TF1-GZ-117-083117","SW846 6020A","RES","SC38778-06","ESAI","7440-66-6","Zinc","0","mg/l","0.0039","MDL","TARGET","0.0300","RDL","YES","-99",,,,"-99","<"
"TF1-GZ-117-083117","SW846 6020A","RES","SC38778-06","ESAI","7782-49-2","Selenium","0","mg/l","0.00050","MDL","TARGET","0.0040","RDL","YES","-99",,,,"-99","<"
"TF1-GZ-117-083117","SW-846 8015B","RES","SC38778-06","ESAI","108-90-7","Chlorobenzene","0.015","mg/l","-99","NA","SUR","110","-99","NA","YES","0.013",,,,"-99",
"TF1-GZ-117-083117","SW-846 8015B","RES","SC38778-06","ESAI","84-15-1","Orthoterphenyl","0.012","mg/l","-99","NA","SUR","91","-99","NA","YES","0.013",,,,"-99",
"TF1-GZ-117-083117","SW-846 8015B","RES","SC38778-06","ESAI","PHCC8C44","C8-C44","0.20","mg/l","Ja","0.055","MDL","TARGET","0.22","RDL","YES","-99",,,,"-99",
"TF1-GZ-117-083117","SW-846 8015B","RES","SC38778-06","ESAI","PHCE","Total TPH","0.20","mg/l","Ja","0.055","MDL","TARGET","0.22","RDL","YES","-99",,,,"-99",
"TF1-GZ-117-083117","SW846 8081B","RES","SC38778-06","ESAI","1024-57-3","Heptachlor epoxide","0.021","g/l","U","0.016","MDL","TARGET","0.021","RDL","YES","-99",,,,"950","10","0.021",
"TF1-GZ-117-083117","SW846 8081B","RES","SC38778-06","ESAI","1031-07-8","Endosulfan sulfate","0.021","g/l","U","0.021","MDL","TARGET","0.042","RDL","YES","-99",,,,"950","10","0.021",
"TF1-GZ-117-083117","SW846 8081B","RES","SC38778-06","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl (Sr)","0.225","g/l","-99","NA","SUR","107","-99","NA","YES","0.211",,,,"950","10","-99",
"TF1-GZ-117-083117","SW846 8081B","RES","SC38778-06","ESAI","15972-60-8","Alachlor","0.021","g/l","U","0.020","MDL","TARGET","0.021","RDL","YES","-99",,,,"950","10","0.021",
"TF1-GZ-117-083117","SW846 8081B","RES","SC38778-06","ESAI","2051-24-3","Decachlorobiphenyl (Sr)","0.224","g/l","-99","NA","SUR","106","-99","NA","YES","0.211",,,,"950","10","-99",
"TF1-GZ-117-083117","SW846 8081B","RES","SC38778-06","ESAI","309-00-2","Aldrin","0.021","g/l","U","0.017","MDL","TARGET","0.021","RDL","YES","-99",,,,"950","10","0.021",
"TF1-GZ-117-083117","SW846 8081B","RES","SC38778-06","ESAI","319-84-6","alpha-BHC","0.021","g/l","U","0.012","MDL","TARGET","0.021","RDL","YES","-99",,,,"950","10","0.021",
"TF1-GZ-117-083117","SW846 8081B","RES","SC38778-06","ESAI","319-85-7","beta-BHC","0.021","g/l","U","0.015","MDL","TARGET","0.021","RDL","YES","-99",,,,"950","10","0.021",
"TF1-GZ-117-083117","SW846 8081B","RES","SC38778-06","ESAI","319-86-8","delta-BHC","0.021","g/l","U","0.016","MDL","TARGET","0.021","RDL","YES","-99",,,,"950","10","0.021",
"TF1-GZ-117-083117","SW846 8081B","RES","SC38778-06","ESAI","33213-65-9","Endosulfan II","0.021","g/l","U","0.021","MDL","TARGET","0.042","RDL","YES","-99",,,,"950","10","0.021",
"TF1-GZ-117-083117","SW846 8081B","RES","SC38778-06","ESAI","50-29-3","4,4'-DDT (p,p')","0.032","g/l","U","0.019","MDL","TARGET","0.042","RDL","YES","-99",,,,"950","10","0.032",
"TF1-GZ-117-083117","SW846 8081B","RES","SC38778-06","ESAI","5103-71-9","alpha-Chlordane","0.021","g/l","U","0.016","MDL","TARGET","0.021","RDL","YES","-99",,,,"950","10","0.021",
"TF1-GZ-117-083117","SW846 8081B","RES","SC38778-06","ESAI","5103-74-2","Chlordane (gamma) (trans)","0.021","g/l","U","0.017","MDL","TARGET","0.021","RDL","YES","-99",,,,"950","10","0.021",
"TF1-GZ-117-083117","SW846 8081B","RES","SC38778-06","ESAI","53494-70-5","Endrin ketone","0.021","g/l","U","0.018","MDL","TARGET","0.042","RDL","YES","-99",,,,"950","10","0.021",

"TF1-GZ-117-083117","SW846 8081B","RES","SC38778-06","ESAI","57-74-9","Chlordane","0.068","g/l","U","0.054","MDL","TARGET","0.068","RDL","YES","-99","950","10","0.068",

"TF1-GZ-117-083117","SW846 8081B","RES","SC38778-06","ESAI","58-89-9","gamma-BHC (Lindane)","0.021","g/l","U","0.018","MDL","TARGET","0.021","RDL","YES","-99","950","10","0.021",

"TF1-GZ-117-083117","SW846 8081B","RES","SC38778-06","ESAI","60-57-1","Dieldrin","0.021","g/l","U","0.018","MDL","TARGET","0.021","RDL","YES","-99","950","10","0.021",

"TF1-GZ-117-083117","SW846 8081B","RES","SC38778-06","ESAI","72-20-8","Endrin","0.021","g/l","U","0.020","MDL","TARGET","0.042","RDL","YES","-99","950","10","0.021",

"TF1-GZ-117-083117","SW846 8081B","RES","SC38778-06","ESAI","72-43-5","Methoxychlor","0.021","g/l","U","0.019","MDL","TARGET","0.042","RDL","YES","-99","950","10","0.021",

"TF1-GZ-117-083117","SW846 8081B","RES","SC38778-06","ESAI","72-54-8","4,4'-DDD (p,p')","0.021","g/l","U","0.020","MDL","TARGET","0.042","RDL","YES","-99","950","10","0.021",

"TF1-GZ-117-083117","SW846 8081B","RES","SC38778-06","ESAI","72-55-9","4,4'-DDE (p,p')","0.021","g/l","U","0.019","MDL","TARGET","0.021","RDL","YES","-99","950","10","0.021",

"TF1-GZ-117-083117","SW846 8081B","RES","SC38778-06","ESAI","7421-93-4","Endrin aldehyde","0.021","g/l","U","0.020","MDL","TARGET","0.042","RDL","YES","-99","950","10","0.021",

"TF1-GZ-117-083117","SW846 8081B","RES","SC38778-06","ESAI","76-44-8","Heptachlor","0.021","g/l","U","0.021","MDL","TARGET","0.021","RDL","YES","-99","950","10","0.021",

"TF1-GZ-117-083117","SW846 8081B","RES","SC38778-06","ESAI","8001-35-2","Toxaphene","0.526","g/l","U","0.345","MDL","TARGET","0.526","RDL","YES","-99","950","10","0.526",

"TF1-GZ-117-083117","SW846 8081B","RES","SC38778-06","ESAI","877-09-8","2,4,5,6-TC-M-Xylene (IS)","0.020","g/ml","-99","NA","ISTD","104","-99","NA","YES","10.0","950","10","-99",

"TF1-GZ-117-083117","SW846 8081B","RES","SC38778-06","ESAI","959-98-8","Endosulfan I","0.021","g/l","U","0.017","MDL","TARGET","0.021","RDL","YES","-99","950","10","0.021",

"TF1-GZ-117-083117","SW846 8260C","RES","SC38778-06","ESAI","100-41-4","Ethylbenzene","1.7","g/l","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",

"TF1-GZ-117-083117","SW846 8260C","RES","SC38778-06","ESAI","100-42-5","Styrene","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",

"TF1-GZ-117-083117","SW846 8260C","RES","SC38778-06","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-GZ-117-083117","SW846 8260C","RES","SC38778-06","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-GZ-117-083117","SW846 8260C","RES","SC38778-06","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-GZ-117-083117","SW846 8260C","RES","SC38778-06","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-GZ-117-083117","SW846 8260C","RES","SC38778-06","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-GZ-117-083117","SW846 8260C","RES","SC38778-06","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-GZ-117-083117","SW846 8260C","RES","SC38778-06","ESAI","108-87-2","Methylcyclohexane","1.9","g/l","J","0.7","MDL","TARGET","5.0","RDL","YES","-99","5","5","2.0",

"TF1-GZ-117-083117","SW846 8260C","RES","SC38778-06","ESAI","108-88-3","Toluene","0.4","g/l","J","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",

"TF1-GZ-117-083117","SW846 8260C","RES","SC38778-06","ESAI","108-90-7","Chlorobenzene","0.5","g/l","U","0.2","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",

"TF1-GZ-117-083117","SW846 8260C","RES","SC38778-06","ESAI","110-82-7","Cyclohexane","5.6","g/l","0.8","MDL","TARGET","5.0","RDL","YES","-99","5","5","2.0",

"TF1-GZ-117-083117","SW846 8260C","RES","SC38778-06","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-GZ-117-083117","SW846 8260C","RES","SC38778-06","ESAI","124-48-1","Dibromochloromethane","0.5","g/l","U","0.3","MDL","TARGET","0.5","RDL","YES","-99","5","5","0.5",

"TF1-GZ-117-083117","SW846 8260C","RES","SC38778-06","ESAI","127-18-

4","Tetrachloroethene","1.0","g/l","U","0.6","MDL","TARGET","1.0","RDL","YES",-99,"5","5","1.0",
"TF1-GZ-117-083117","SW846 8260C","RES","SC38778-06","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-GZ-117-083117","SW846 8260C","RES","SC38778-06","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-GZ-117-083117","SW846 8260C","RES","SC38778-06","ESAI","1634-04-4","Methyl tert-butyl
ether","1.8","g/l","0.2","MDL","TARGET","1.0","RDL","YES",-99,"5","5","0.5",
"TF1-GZ-117-083117","SW846 8260C","RES","SC38778-06","ESAI","17060-07-0","1,2-Dichloroethane-
d4","51.6","g/l","-99","NA","SUR","103","-99","NA","YES","50.0","5","5","-99",
"TF1-GZ-117-083117","SW846 8260C","RES","SC38778-06","ESAI","179601-23-1","m,p-
Xylene","3.3","g/l","0.4","MDL","TARGET","2.0","RDL","YES",-99,"5","5","1.0",
"TF1-GZ-117-083117","SW846 8260C","RES","SC38778-06","ESAI","1868-53-
7","Dibromofluoromethane","49.7","g/l","-99","NA","SUR","99","-99","NA","YES","50.0","5","5","-99",
"TF1-GZ-117-083117","SW846 8260C","RES","SC38778-06","ESAI","2037-26-5","Toluene-
d8","45.3","g/l","-99","NA","SUR","91","-99","NA","YES","50.0","5","5","-99",
"TF1-GZ-117-083117","SW846 8260C","RES","SC38778-06","ESAI","3114-55-4","Chlorobenzene-
d5","50.0","g/l","-99","NA","ISTD","101","-99","NA","YES","50.0","5","5","-99",
"TF1-GZ-117-083117","SW846 8260C","RES","SC38778-06","ESAI","3855-82-1","1,4-Dichlorobenzene-
d4","50.0","g/l","-99","NA","ISTD","100","-99","NA","YES","50.0","5","5","-99",
"TF1-GZ-117-083117","SW846 8260C","RES","SC38778-06","ESAI","460-00-4","4-
Bromofluorobenzene","50.2","g/l","-99","NA","SUR","100","-99","NA","YES","50.0","5","5","-99",
"TF1-GZ-117-083117","SW846 8260C","RES","SC38778-06","ESAI","462-06-
6","Fluorobenzene","50.0","g/l","-99","NA","ISTD","113","-99","NA","YES","50.0","5","5","-99",
"TF1-GZ-117-083117","SW846 8260C","RES","SC38778-06","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-GZ-117-083117","SW846 8260C","RES","SC38778-06","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-GZ-117-083117","SW846 8260C","RES","SC38778-06","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-GZ-117-083117","SW846 8260C","RES","SC38778-06","ESAI","67-64-
1","Acetone","2.0","g/l","U","0.8","MDL","TARGET","10.0","RDL","YES",-99,"5","5","2.0",
"TF1-GZ-117-083117","SW846 8260C","RES","SC38778-06","ESAI","67-66-
3","Chloroform","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES",-99,"5","5","1.0",
"TF1-GZ-117-083117","SW846 8260C","RES","SC38778-06","ESAI","71-43-
2","Benzene","1.8","g/l","0.3","MDL","TARGET","1.0","RDL","YES",-99,"5","5","0.5",
"TF1-GZ-117-083117","SW846 8260C","RES","SC38778-06","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-GZ-117-083117","SW846 8260C","RES","SC38778-06","ESAI","74-83-
9","Bromomethane","2.0","g/l","U","0.9","MDL","TARGET","2.0","RDL","YES",-99,"5","5","2.0",
"TF1-GZ-117-083117","SW846 8260C","RES","SC38778-06","ESAI","74-87-
3","Chloromethane","1.0","g/l","U","0.4","MDL","TARGET","2.0","RDL","YES",-99,"5","5","1.0",
"TF1-GZ-117-083117","SW846 8260C","RES","SC38778-06","ESAI","74-97-
5","Bromochloromethane","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES",-99,"5","5","1.0",
"TF1-GZ-117-083117","SW846 8260C","RES","SC38778-06","ESAI","75-00-
3","Chloroethane","2.0","g/l","U","0.6","MDL","TARGET","2.0","RDL","YES",-99,"5","5","2.0",
"TF1-GZ-117-083117","SW846 8260C","RES","SC38778-06","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-GZ-117-083117","SW846 8260C","RES","SC38778-06","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-GZ-117-083117","SW846 8260C","RES","SC38778-06","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-GZ-117-083117","SW846 8260C","RES","SC38778-06","ESAI","75-25-
2","Bromoform","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES",-99,"5","5","1.0",
"TF1-GZ-117-083117","SW846 8260C","RES","SC38778-06","ESAI","75-27-
4","Bromodichloromethane","0.5","g/l","U","0.4","MDL","TARGET","0.5","RDL","YES",-99,"5","5","0.5",
"TF1-GZ-117-083117","SW846 8260C","RES","SC38778-06","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-GZ-117-083117","SW846 8260C","RES","SC38778-06","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-GZ-117-083117","SW846 8260C","RES","SC38778-06","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-GZ-117-083117","SW846 8260C","RES","SC38778-06","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-GZ-117-083117","SW846 8260C","RES","SC38778-06","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-GZ-117-083117","SW846 8260C","RES","SC38778-06","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-GZ-117-083117","SW846 8260C","RES","SC38778-06","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-GZ-117-083117","SW846 8260C","RES","SC38778-06","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-GZ-117-083117","SW846 8260C","RES","SC38778-06","ESAI","79-01-6","Trichloroethene","1.0","g/l","U","0.5","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GZ-117-083117","SW846 8260C","RES","SC38778-06","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-GZ-117-083117","SW846 8260C","RES","SC38778-06","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-GZ-117-083117","SW846 8260C","RES","SC38778-06","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-GZ-117-083117","SW846 8260C","RES","SC38778-06","ESAI","95-47-6","o-Xylene","0.4","g/l","J","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GZ-117-083117","SW846 8260C","RES","SC38778-06","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-GZ-117-083117","SW846 8260C","RES","SC38778-06","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-GZ-117-083117","SW846 8260C","RES","SC38778-06","ESAI","98-82-8","Isopropylbenzene","2.7","g/l","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-GZ-117-083117","SW846 8270D","RES","SC38778-06","ESAI","1146-65-2","Naphthalene-d8","40.0","g/ml","-99","NA","ISTD","127","-99","NA","YES","40.0","960","1","-99",
"TF1-GZ-117-083117","SW846 8270D","RES","SC38778-06","ESAI","120-12-7","Anthracene","1.04","g/l","U","0.633","MDL","TARGET","5.21","RDL","YES","-99","960","1","1.04",
"TF1-GZ-117-083117","SW846 8270D","RES","SC38778-06","ESAI","129-00-0","Pyrene","1.04","g/l","U","0.635","MDL","TARGET","5.21","RDL","YES","-99","960","1","1.04",
"TF1-GZ-117-083117","SW846 8270D","RES","SC38778-06","ESAI","15067-26-2","Acenaphthene-d10","40.0","g/ml","-99","NA","ISTD","141","-99","NA","YES","40.0","960","1","-99",
"TF1-GZ-117-083117","SW846 8270D","RES","SC38778-06","ESAI","1517-22-2","Phenanthrene-d10","40.0","g/ml","-99","NA","ISTD","130","-99","NA","YES","40.0","960","1","-99",
"TF1-GZ-117-083117","SW846 8270D","RES","SC38778-06","ESAI","1520-96-3","Perylene-d12","40.0","g/ml","-99","NA","ISTD","125","-99","NA","YES","40.0","960","1","-99",
"TF1-GZ-117-083117","SW846 8270D","RES","SC38778-06","ESAI","1718-51-0","Terphenyl-d14","42.7","g/l","-99","NA","SUR","82","-99","NA","YES","52.1","960","1","-99",
"TF1-GZ-117-083117","SW846 8270D","RES","SC38778-06","ESAI","1719-03-5","Chrysene-d12","40.0","g/ml","-99","NA","ISTD","129","-99","NA","YES","40.0","960","1","-99",
"TF1-GZ-117-083117","SW846 8270D","RES","SC38778-06","ESAI","191-24-2","Benzo (g,h,i) perylene","1.04","g/l","U","0.552","MDL","TARGET","5.21","RDL","YES","-99","960","1","1.04",
"TF1-GZ-117-083117","SW846 8270D","RES","SC38778-06","ESAI","193-39-5","Indeno (1,2,3-cd) pyrene","1.04","g/l","U","0.604","MDL","TARGET","5.21","RDL","YES","-99","960","1","1.04",
"TF1-GZ-117-083117","SW846 8270D","RES","SC38778-06","ESAI","205-99-2","Benzo (b) fluoranthene","1.04","g/l","U","0.455","MDL","TARGET","5.21","RDL","YES","-99","960","1","1.04",
"TF1-GZ-117-083117","SW846 8270D","RES","SC38778-06","ESAI","206-44-0","Fluoranthene","1.04","g/l","U","0.665","MDL","TARGET","5.21","RDL","YES","-99","960","1","1.04",
"TF1-GZ-117-083117","SW846 8270D","RES","SC38778-06","ESAI","207-08-9","Benzo (k) fluoranthene","1.04","g/l","U","0.500","MDL","TARGET","5.21","RDL","YES","-99","960","1","1.04",
"TF1-GZ-117-083117","SW846 8270D","RES","SC38778-06","ESAI","208-96-

8","Acenaphthylene","1.04","g/l","U","0.711","MDL","TARGET","5.21","RDL","YES","-99","960","1","1.04",
,"TF1-GZ-117-083117","SW846 8270D","RES","SC38778-06","ESAI","218-01-9","Chrysene","1.04","g/l","U","0.554","MDL","TARGET","5.21","RDL","YES","-99","960","1","1.04",
,"TF1-GZ-117-083117","SW846 8270D","RES","SC38778-06","ESAI","321-60-8","2-Fluorobiphenyl","35.5","g/l","-99","NA","SUR","68","-99","NA","YES","52.1","960","1","-99",
,"TF1-GZ-117-083117","SW846 8270D","RES","SC38778-06","ESAI","4165-60-0","Nitrobenzene-d5","36.2","g/l","-99","NA","SUR","70","-99","NA","YES","52.1","960","1","-99",
,"TF1-GZ-117-083117","SW846 8270D","RES","SC38778-06","ESAI","50-32-8","Benzo (a) pyrene","1.04","g/l","U","0.585","MDL","TARGET","5.21","RDL","YES","-99","960","1","1.04",
,"TF1-GZ-117-083117","SW846 8270D","RES","SC38778-06","ESAI","53-70-3","Dibenzo (a,h) anthracene","1.04","g/l","U","0.469","MDL","TARGET","5.21","RDL","YES","-99","960","1","1.04",
,"TF1-GZ-117-083117","SW846 8270D","RES","SC38778-06","ESAI","56-55-3","Benzo (a) anthracene","1.04","g/l","U","0.558","MDL","TARGET","5.21","RDL","YES","-99","960","1","1.04",
,"TF1-GZ-117-083117","SW846 8270D","RES","SC38778-06","ESAI","83-32-9","Acenaphthene","1.04","g/l","U","0.720","MDL","TARGET","5.21","RDL","YES","-99","960","1","1.04",
,"TF1-GZ-117-083117","SW846 8270D","RES","SC38778-06","ESAI","85-01-8","Phenanthrene","1.04","g/l","U","0.610","MDL","TARGET","5.21","RDL","YES","-99","960","1","1.04",
,"TF1-GZ-117-083117","SW846 8270D","RES","SC38778-06","ESAI","86-73-7","Fluorene","1.04","g/l","U","0.638","MDL","TARGET","5.21","RDL","YES","-99","960","1","1.04",
,"TF1-GZ-117-083117","SW846 8270D","RES","SC38778-06","ESAI","90-12-0","1-Methylnaphthalene","1.04","g/l","U","0.764","MDL","TARGET","5.21","RDL","YES","-99","960","1","1.04",
,"TF1-GZ-117-083117","SW846 8270D","RES","SC38778-06","ESAI","91-20-3","Naphthalene","1.04","g/l","U","0.714","MDL","TARGET","5.21","RDL","YES","-99","960","1","1.04",
,"TF1-GZ-117-083117","SW846 8270D","RES","SC38778-06","ESAI","91-57-6","2-Methylnaphthalene","1.04","g/l","U","0.598","MDL","TARGET","5.21","RDL","YES","-99","960","1","1.04",
,"TF1-RB-090117","EPA 200/6000 methods","RES","SC38778-12","ESAI","NA","Preservation","0","N/A","-99","NA","TARGET","-99","NA","YES","-99","1","1","-99","Field Preserved; pH<2 confirmed",
,"TF1-RB-090117","EPA 245.1/7470A","RES","SC38778-12","ESAI","7439-97-6","Mercury","0.00020","mg/l","U","0.00013","MDL","TARGET","0.00020","RDL","YES","-99","20","20","0.00020",
,"TF1-RB-090117","EPA 300.0","RES","SC38778-12","ESAI","14797-55-8","Nitrate as N","0.100","mg/l","U","0.009","MDL","TARGET","0.100","RDL","YES","-99","5","5","0.100",
,"TF1-RB-090117","EPA 300.0","RES","SC38778-12","ESAI","14808-79-8","Sulfate as SO4","1.00","mg/l","U","0.307","MDL","TARGET","1.00","RDL","YES","-99","5","5","1.00",
,"TF1-RB-090117","EPA 300.0","RES","SC38778-12","ESAI","16887-00-6","Chloride","0.100","mg/l","U","0.0897","MDL","TARGET","1.00","RDL","YES","-99","5","5","0.100",
,"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","1763-23-1","Perfluorooctanesulfonate","0","ng/l","2","MDL","TARGET","6","RDL","YES","-99","-99","<",
,"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","1763-23-1L","13C8-PFOS","33","ng/l","-99","NA","SUR","69","-99","NA","YES","48","-99",
,"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","2058-94-8","Perfluoroundecanoic acid","0","ng/l","1","MDL","TARGET","3","RDL","YES","-99","-99","<",
,"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","2058-94-8L","13C7-PFUnDA","29","ng/l","-99","NA","SUR","59","-99","NA","YES","50","-99",
,"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","2706-90-3","Perfluoropentanoic Acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<",
,"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","2706-90-3L","13C5-PFPeA","40","ng/l","-99","NA","SUR","81","-99","NA","YES","50","-99",
,"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","307-24-4","Perfluorohexanoic acid","0","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99","<",
,"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","307-24-4L","13C5-PFHxA","37","ng/l","-99","NA","SUR","74","-99","NA","YES","50","-99",
,"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","307-55-1","Perfluorododecanoic

acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<"

"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","307-55-1L","13C2-PFDoDA","24","ng/l","-99","NA","SUR","49","-99","NA","YES","50","-99",

"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","335-67-1","Perfluorooctanoic acid","0.6","ng/l","Ja","0.6","MDL","TARGET","2","RDL","YES","-99","-99",

"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","335-67-1L","13C8-PFOA","40","ng/l","-99","NA","SUR","81","-99","NA","YES","50","-99",

"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","335-76-2","Perfluorodecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<"

"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","335-76-2L","13C6-PFDA","36","ng/l","-99","NA","SUR","73","-99","NA","YES","50","-99",

"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","335-77-3","Perfluorodecanesulfonate","0","ng/l","2","MDL","TARGET","6","RDL","YES","-99","-99","<"

"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","355-46-4","Perfluorohexanesulfonate","0","ng/l","1","MDL","TARGET","3","RDL","YES","-99","-99","<"

"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","355-46-4L","13C3-PFHxS","33","ng/l","-99","NA","SUR","71","-99","NA","YES","47","-99",

"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","375-22-4","Perfluorobutanoic Acid","0","ng/l","3","MDL","TARGET","10","RDL","YES","-99","-99","<"

"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","375-22-4L","13C4-PFBA","38","ng/l","-99","NA","SUR","76","-99","NA","YES","50","-99",

"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","375-73-5","Perfluorobutanesulfonate","0","ng/l","0.8","MDL","TARGET","3","RDL","YES","-99","-99","<"

"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","375-73-5L","13C3-PFBS","38","ng/l","-99","NA","SUR","81","-99","NA","YES","46","-99",

"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","375-85-9","Perfluoroheptanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<"

"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","375-85-9L","13C4-PFHpA","36","ng/l","-99","NA","SUR","73","-99","NA","YES","50","-99",

"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","375-92-8","Perfluoroheptanesulfonate","0","ng/l","2","MDL","TARGET","6","RDL","YES","-99","-99","<"

"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","375-95-1","Perfluorononanoic acid","0","ng/l","0.6","MDL","TARGET","2","RDL","YES","-99","-99","<"

"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","375-95-1L","13C9-PFNA","39","ng/l","-99","NA","SUR","79","-99","NA","YES","50","-99",

"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","376-06-7","Perfluorotetradecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<"

"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","376-06-7L","13C2-PFTeDA","21","ng/l","-99","NA","SUR","42","-99","NA","YES","50","-99",

"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","72629-94-8","Perfluorotridecanoic acid","0","ng/l","0.5","MDL","TARGET","2","RDL","YES","-99","-99","<"

"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","754-91-6","PFOSA","0","ng/l","3","MDL","TARGET","9","RDL","YES","-99","-99","<"

"TF1-RB-090117","EPA 537 Modified","RES","SC38778-12","ESAI","754-91-6L","13C8-PFOA","27","ng/l","-99","NA","SUR","54","-99","NA","YES","50","-99",

"TF1-RB-090117","Mod EPA 3C/SOP RSK-175","RES","SC38778-12","ESAI","74-82-8","Methane","2.20","g/l","U","2.16","MDL","TARGET","2.20","RDL","YES","-99","10","10","2.20",

"TF1-RB-090117","Mod EPA 3C/SOP RSK-175","RES","SC38778-12","ESAI","74-84-0","Ethane","5.00","g/l","U","3.48","MDL","TARGET","5.00","RDL","YES","-99","10","10","5.00",

"TF1-RB-090117","SM18-22 5210B","RES","SC38778-12","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",

"TF1-RB-090117","SM2320B (97, 11)","RES","SC38778-12","ESAI","NA","Total Alkalinity","4.74","mg/l CaCO3","0.524","MDL","TARGET","2.00","RDL","YES","-99","100","50","1.50",

"TF1-RB-090117","SM5310B (00, 11)","RES","SC38778-12","ESAI","NA","Total Organic Carbon","0.350","mg/l","J","0.238","MDL","TARGET","1.00","RDL","YES","-99","40","40","0.500",

"TF1-RB-090117","SW846 6010C","RES","SC38778-12","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-RB-090117","SW846 6010C","RES","SC38778-12","ESAI","7439-89-6","Iron","0.0300","mg/l","R06,
U","0.0089","MDL","TARGET","0.0800","RDL","YES","-99","50","50","0.0300",
"TF1-RB-090117","SW846 6010C","RES","SC38778-12","ESAI","7439-95-
4","Magnesium","0.0100","mg/l","U","0.0088","MDL","TARGET","0.0200","RDL","YES","-99","50","50","0.0
100",
"TF1-RB-090117","SW846 6010C","RES","SC38778-12","ESAI","7440-09-
7","Potassium","0.250","mg/l","U","0.120","MDL","TARGET","1.00","RDL","YES","-99","50","50","0.250",
"TF1-RB-090117","SW846 6010C","RES","SC38778-12","ESAI","7440-23-
5","Sodium","0.250","mg/l","U","0.0785","MDL","TARGET","0.500","RDL","YES","-99","50","50","0.250",
"TF1-RB-090117","SW846 6010C","RES","SC38778-12","ESAI","7440-70-
2","Calcium","0.0409","mg/l","J","0.0142","MDL","TARGET","0.200","RDL","YES","-99","50","50","0.0500",
"TF1-RB-090117","SW846 6020A","RES","SC38778-12","ESAI","7439-92-
1","Lead","0","mg/l","0.00011","MDL","TARGET","0.0020","RDL","YES","-99","-99","-99","<"
"TF1-RB-090117","SW846 6020A","RES","SC38778-12","ESAI","7439-96-
5","Manganese","0","mg/l","0.00090","MDL","TARGET","0.0040","RDL","YES","-99","-99","-99","<"
"TF1-RB-090117","SW846 6020A","RES","SC38778-12","ESAI","7439-98-
7","Molybdenum","0","mg/l","0.00025","MDL","TARGET","0.0010","RDL","YES","-99","-99","-99","<"
"TF1-RB-090117","SW846 6020A","RES","SC38778-12","ESAI","7440-02-
0","Nickel","0","mg/l","0.0010","MDL","TARGET","0.0040","RDL","YES","-99","-99","-99","<"
"TF1-RB-090117","SW846 6020A","RES","SC38778-12","ESAI","7440-22-
4","Silver","0","mg/l","0.00015","MDL","TARGET","0.0010","RDL","YES","-99","-99","-99","<"
"TF1-RB-090117","SW846 6020A","RES","SC38778-12","ESAI","7440-28-
0","Thallium","0","mg/l","0.00012","MDL","TARGET","0.0010","RDL","YES","-99","-99","-99","<"
"TF1-RB-090117","SW846 6020A","RES","SC38778-12","ESAI","7440-36-
0","Antimony","0","mg/l","0.00045","MDL","TARGET","0.0020","RDL","YES","-99","-99","-99","<"
"TF1-RB-090117","SW846 6020A","RES","SC38778-12","ESAI","7440-38-
2","Arsenic","0","mg/l","0.00072","MDL","TARGET","0.0040","RDL","YES","-99","-99","-99","<"
"TF1-RB-090117","SW846 6020A","RES","SC38778-12","ESAI","7440-39-
3","Barium","0","mg/l","0.00072","MDL","TARGET","0.0040","RDL","YES","-99","-99","-99","<"
"TF1-RB-090117","SW846 6020A","RES","SC38778-12","ESAI","7440-41-
7","Beryllium","0","mg/l","0.000071","MDL","TARGET","0.0010","RDL","YES","-99","-99","-99","<"
"TF1-RB-090117","SW846 6020A","RES","SC38778-12","ESAI","7440-43-
9","Cadmium","0","mg/l","0.00015","MDL","TARGET","0.0010","RDL","YES","-99","-99","-99","<"
"TF1-RB-090117","SW846 6020A","RES","SC38778-12","ESAI","7440-47-
3","Chromium","0","mg/l","0.00087","MDL","TARGET","0.0040","RDL","YES","-99","-99","-99","<"
"TF1-RB-090117","SW846 6020A","RES","SC38778-12","ESAI","7440-48-
4","Cobalt","0","mg/l","0.00016","MDL","TARGET","0.0010","RDL","YES","-99","-99","-99","<"
"TF1-RB-090117","SW846 6020A","RES","SC38778-12","ESAI","7440-50-
8","Copper","0","mg/l","0.00054","MDL","TARGET","0.0040","RDL","YES","-99","-99","-99","<"
"TF1-RB-090117","SW846 6020A","RES","SC38778-12","ESAI","7440-62-
2","Vanadium","0","mg/l","0.00021","MDL","TARGET","0.0010","RDL","YES","-99","-99","-99","<"
"TF1-RB-090117","SW846 6020A","RES","SC38778-12","ESAI","7440-66-
6","Zinc","0","mg/l","0.0039","MDL","TARGET","0.0300","RDL","YES","-99","-99","-99","<"
"TF1-RB-090117","SW846 6020A","RES","SC38778-12","ESAI","7782-49-
2","Selenium","0","mg/l","0.00050","MDL","TARGET","0.0040","RDL","YES","-99","-99","-99","<"
"TF1-RB-090117","SW-846 8015B","RES","SC38778-12","ESAI","108-90-
7","Chlorobenzene","0.010","mg/l","-99","NA","SUR","81","-99","NA","YES","0.012","-99",
"TF1-RB-090117","SW-846 8015B","RES","SC38778-12","ESAI","84-15-
1","Orthoterphenyl","0.011","mg/l","-99","NA","SUR","90","-99","NA","YES","0.013","-99",
"TF1-RB-090117","SW-846 8015B","RES","SC38778-12","ESAI","PHCC8C44","C8-
C44","0","mg/l","0.051","MDL","TARGET","0.21","RDL","YES","-99","-99","-99","<"
"TF1-RB-090117","SW-846 8015B","RES","SC38778-12","ESAI","PHCE","Total
TPH","0","mg/l","0.051","MDL","TARGET","0.21","RDL","YES","-99","-99","-99","<"
"TF1-RB-090117","SW846 8081B","RES","SC38778-12","ESAI","1024-57-3","Heptachlor
epoxide","0.020","mg/l","U","0.015","MDL","TARGET","0.020","RDL","YES","-99","1000","10","0.020",
"TF1-RB-090117","SW846 8081B","RES","SC38778-12","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-RB-090117","SW846 8081B","RES","SC38778-12","ESAI","10386-84-2","4,4-DB-Octafluorobiphenyl
(Sr)","0.177","◆g/l","-99","NA","SUR","88","-99","NA","YES","0.200","1000","10","-99",
"TF1-RB-090117","SW846 8081B","RES","SC38778-12","ESAI","15972-60-
8","Alachlor","0.020","◆g/l","U","0.019","MDL","TARGET","0.020","RDL","YES","-99","1000","10","0.020",
"TF1-RB-090117","SW846 8081B","RES","SC38778-12","ESAI","2051-24-3","Decachlorobiphenyl
(Sr)","0.176","◆g/l","-99","NA","SUR","88","-99","NA","YES","0.200","1000","10","-99",
"TF1-RB-090117","SW846 8081B","RES","SC38778-12","ESAI","309-00-
2","Aldrin","0.020","◆g/l","U","0.016","MDL","TARGET","0.020","RDL","YES","-99","1000","10","0.020",
"TF1-RB-090117","SW846 8081B","RES","SC38778-12","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-RB-090117","SW846 8081B","RES","SC38778-12","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-RB-090117","SW846 8081B","RES","SC38778-12","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-RB-090117","SW846 8081B","RES","SC38778-12","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-RB-090117","SW846 8081B","RES","SC38778-12","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-RB-090117","SW846 8081B","RES","SC38778-12","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-RB-090117","SW846 8081B","RES","SC38778-12","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-RB-090117","SW846 8081B","RES","SC38778-12","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-RB-090117","SW846 8081B","RES","SC38778-12","ESAI","57-74-
9","Chlordane","0.065","◆g/l","U","0.051","MDL","TARGET","0.065","RDL","YES","-99","1000","10","0.065",
"TF1-RB-090117","SW846 8081B","RES","SC38778-12","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-RB-090117","SW846 8081B","RES","SC38778-12","ESAI","60-57-
1","Dieldrin","0.020","◆g/l","U","0.017","MDL","TARGET","0.020","RDL","YES","-99","1000","10","0.020",
"TF1-RB-090117","SW846 8081B","RES","SC38778-12","ESAI","72-20-
8","Endrin","0.020","◆g/l","U","0.019","MDL","TARGET","0.040","RDL","YES","-99","1000","10","0.020",
"TF1-RB-090117","SW846 8081B","RES","SC38778-12","ESAI","72-43-
5","Methoxychlor","0.020","◆g/l","U","0.018","MDL","TARGET","0.040","RDL","YES","-99","1000","10","0.020",
"TF1-RB-090117","SW846 8081B","RES","SC38778-12","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-RB-090117","SW846 8081B","RES","SC38778-12","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-RB-090117","SW846 8081B","RES","SC38778-12","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-RB-090117","SW846 8081B","RES","SC38778-12","ESAI","76-44-
8","Heptachlor","0.020","◆g/l","U","0.020","MDL","TARGET","0.020","RDL","YES","-99","1000","10","0.020",
"TF1-RB-090117","SW846 8081B","RES","SC38778-12","ESAI","8001-35-
2","Toxaphene","0.500","◆g/l","U","0.328","MDL","TARGET","0.500","RDL","YES","-99","1000","10","0.500",
"TF1-RB-090117","SW846 8081B","RES","SC38778-12","ESAI","877-09-8","2,4,5,6-TC-M-Xylene
(IS)","0.020","◆g/ml","-99","NA","ISTD","121","-99","NA","YES","10.0","1000","10","-99",
"TF1-RB-090117","SW846 8081B","RES","SC38778-12","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-RB-090117","SW846 8260C","RES","SC38778-12","ESAI","100-41-
4","Ethylbenzene","0.5","◆g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-RB-090117","SW846 8260C","RES","SC38778-12","ESAI","100-42-
5","Styrene","1.0","◆g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",

"TF1-RB-090117","SW846 8260C","RES","SC38778-12","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-RB-090117","SW846 8260C","RES","SC38778-12","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-RB-090117","SW846 8260C","RES","SC38778-12","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-RB-090117","SW846 8260C","RES","SC38778-12","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-RB-090117","SW846 8260C","RES","SC38778-12","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-RB-090117","SW846 8260C","RES","SC38778-12","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-RB-090117","SW846 8260C","RES","SC38778-12","ESAI","108-87-2","Methylcyclohexane","2.0","g/l","U","0.7","MDL","TARGET","5.0","RDL","YES","-99","5","5","2.0",
"TF1-RB-090117","SW846 8260C","RES","SC38778-12","ESAI","108-88-3","Toluene","1.0","g/l","U","0.3","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-RB-090117","SW846 8260C","RES","SC38778-12","ESAI","108-90-7","Chlorobenzene","0.5","g/l","U","0.2","MDL","TARGET","1.0","RDL","YES","-99","5","5","0.5",
"TF1-RB-090117","SW846 8260C","RES","SC38778-12","ESAI","110-82-7","Cyclohexane","2.0","g/l","U","0.8","MDL","TARGET","5.0","RDL","YES","-99","5","5","2.0",
"TF1-RB-090117","SW846 8260C","RES","SC38778-12","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-RB-090117","SW846 8260C","RES","SC38778-12","ESAI","124-48-1","Dibromochloromethane","0.5","g/l","U","0.3","MDL","TARGET","0.5","RDL","YES","-99","5","5","0.5",
"TF1-RB-090117","SW846 8260C","RES","SC38778-12","ESAI","127-18-4","Tetrachloroethene","1.0","g/l","U","0.6","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"TF1-RB-090117","SW846 8260C","RES","SC38778-12","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-RB-090117","SW846 8260C","RES","SC38778-12","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-RB-090117","SW846 8260C","RES","SC38778-12","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-RB-090117","SW846 8260C","RES","SC38778-12","ESAI","17060-07-0","1,2-Dichloroethane-d4","51.0","g/l","-99","NA","SUR","102","-99","NA","YES","50.0","5","5","-99",
"TF1-RB-090117","SW846 8260C","RES","SC38778-12","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-RB-090117","SW846 8260C","RES","SC38778-12","ESAI","1868-53-7","Dibromofluoromethane","49.6","g/l","-99","NA","SUR","99","-99","NA","YES","50.0","5","5","-99",
"TF1-RB-090117","SW846 8260C","RES","SC38778-12","ESAI","2037-26-5","Toluene-d8","47.2","g/l","-99","NA","SUR","94","-99","NA","YES","50.0","5","5","-99",
"TF1-RB-090117","SW846 8260C","RES","SC38778-12","ESAI","3114-55-4","Chlorobenzene-d5","50.0","g/l","-99","NA","ISTD","110","-99","NA","YES","50.0","5","5","-99",
"TF1-RB-090117","SW846 8260C","RES","SC38778-12","ESAI","3855-82-1","1,4-Dichlorobenzene-d4","50.0","g/l","-99","NA","ISTD","105","-99","NA","YES","50.0","5","5","-99",
"TF1-RB-090117","SW846 8260C","RES","SC38778-12","ESAI","460-00-4","4-Bromofluorobenzene","48.6","g/l","-99","NA","SUR","97","-99","NA","YES","50.0","5","5","-99",
"TF1-RB-090117","SW846 8260C","RES","SC38778-12","ESAI","462-06-6","Fluorobenzene","50.0","g/l","-99","NA","ISTD","115","-99","NA","YES","50.0","5","5","-99",
"TF1-RB-090117","SW846 8260C","RES","SC38778-12","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-RB-090117","SW846 8260C","RES","SC38778-12","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-RB-090117","SW846 8260C","RES","SC38778-12","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-RB-090117","SW846 8260C","RES","SC38778-12","ESAI","67-64-1","Acetone","3.7","g/l","J","0.8","MDL","TARGET","10.0","RDL","YES","-99","5","5","2.0",
"TF1-RB-090117","SW846 8260C","RES","SC38778-12","ESAI","67-66-

3", "Chloroform", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-RB-090117", "SW846 8260C", "RES", "SC38778-12", "ESAI", "71-43-
2", "Benzene", "0.5", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-RB-090117", "SW846 8260C", "RES", "SC38778-12", "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-RB-090117", "SW846 8260C", "RES", "SC38778-12", "ESAI", "74-83-
9", "Bromomethane", "2.0", "g/l", "U", "0.9", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-RB-090117", "SW846 8260C", "RES", "SC38778-12", "ESAI", "74-87-
3", "Chloromethane", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-RB-090117", "SW846 8260C", "RES", "SC38778-12", "ESAI", "74-97-
5", "Bromochloromethane", "1.0", "g/l", "U", "0.3", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-RB-090117", "SW846 8260C", "RES", "SC38778-12", "ESAI", "75-00-
3", "Chloroethane", "2.0", "g/l", "U", "0.6", "MDL", "TARGET", "2.0", "RDL", "YES", "-99", "5", "5", "2.0",
"TF1-RB-090117", "SW846 8260C", "RES", "SC38778-12", "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-RB-090117", "SW846 8260C", "RES", "SC38778-12", "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-RB-090117", "SW846 8260C", "RES", "SC38778-12", "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-RB-090117", "SW846 8260C", "RES", "SC38778-12", "ESAI", "75-25-
2", "Bromoform", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-RB-090117", "SW846 8260C", "RES", "SC38778-12", "ESAI", "75-27-
4", "Bromodichloromethane", "0.5", "g/l", "U", "0.4", "MDL", "TARGET", "0.5", "RDL", "YES", "-99", "5", "5", "0.5",
"TF1-RB-090117", "SW846 8260C", "RES", "SC38778-12", "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-RB-090117", "SW846 8260C", "RES", "SC38778-12", "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-RB-090117", "SW846 8260C", "RES", "SC38778-12", "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-RB-090117", "SW846 8260C", "RES", "SC38778-12", "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-RB-090117", "SW846 8260C", "RES", "SC38778-12", "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-RB-090117", "SW846 8260C", "RES", "SC38778-12", "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-RB-090117", "SW846 8260C", "RES", "SC38778-12", "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-RB-090117", "SW846 8260C", "RES", "SC38778-12", "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-RB-090117", "SW846 8260C", "RES", "SC38778-12", "ESAI", "79-01-
6", "Trichloroethene", "1.0", "g/l", "U", "0.5", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-RB-090117", "SW846 8260C", "RES", "SC38778-12", "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-RB-090117", "SW846 8260C", "RES", "SC38778-12", "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-RB-090117", "SW846 8260C", "RES", "SC38778-12", "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-RB-090117", "SW846 8260C", "RES", "SC38778-12", "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-RB-090117", "SW846 8260C", "RES", "SC38778-12", "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-RB-090117", "SW846 8260C", "RES", "SC38778-12", "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-RB-090117", "SW846 8260C", "RES", "SC38778-12", "ESAI", "98-82-
8", "Isopropylbenzene", "1.0", "g/l", "U", "0.4", "MDL", "TARGET", "1.0", "RDL", "YES", "-99", "5", "5", "1.0",
"TF1-RB-090117", "SW846 8270D", "RES", "SC38778-12", "ESAI", "1146-65-2", "Naphthalene-
d8", "40.0", "g/ml", "-99", "NA", "ISTD", "171", "-99", "NA", "YES", "40.0", "1030", "1", "-99",

"TF1-RB-090117","SW846 8270D","RES","SC38778-12","ESAI","120-12-7","Anthracene","0.971","g/l","U","0.590","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-RB-090117","SW846 8270D","RES","SC38778-12","ESAI","129-00-0","Pyrene","0.971","g/l","U","0.592","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-RB-090117","SW846 8270D","RES","SC38778-12","ESAI","15067-26-2","Acenaphthene-d10","40.0","g/ml","-99","NA","ISTD","185","-99","NA","YES","40.0","1030","1","-99",

"TF1-RB-090117","SW846 8270D","RES","SC38778-12","ESAI","1517-22-2","Phenanthrene-d10","40.0","g/ml","-99","NA","ISTD","174","-99","NA","YES","40.0","1030","1","-99",

"TF1-RB-090117","SW846 8270D","RES","SC38778-12","ESAI","1520-96-3","Perylene-d12","40.0","g/ml","-99","NA","ISTD","155","-99","NA","YES","40.0","1030","1","-99",

"TF1-RB-090117","SW846 8270D","RES","SC38778-12","ESAI","1718-51-0","Terphenyl-d14","40.9","g/l","-99","NA","SUR","84","-99","NA","YES","48.5","1030","1","-99",

"TF1-RB-090117","SW846 8270D","RES","SC38778-12","ESAI","1719-03-5","Chrysene-d12","40.0","g/ml","-99","NA","ISTD","151","-99","NA","YES","40.0","1030","1","-99",

"TF1-RB-090117","SW846 8270D","RES","SC38778-12","ESAI","191-24-2","Benzo (g,h,i) perylene","0.971","g/l","U","0.515","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-RB-090117","SW846 8270D","RES","SC38778-12","ESAI","193-39-5","Indeno (1,2,3-cd) pyrene","0.971","g/l","U","0.563","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-RB-090117","SW846 8270D","RES","SC38778-12","ESAI","205-99-2","Benzo (b) fluoranthene","0.971","g/l","U","0.424","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-RB-090117","SW846 8270D","RES","SC38778-12","ESAI","206-44-0","Fluoranthene","0.971","g/l","U","0.619","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-RB-090117","SW846 8270D","RES","SC38778-12","ESAI","207-08-9","Benzo (k) fluoranthene","0.971","g/l","U","0.466","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-RB-090117","SW846 8270D","RES","SC38778-12","ESAI","208-96-8","Acenaphthylene","0.971","g/l","U","0.663","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-RB-090117","SW846 8270D","RES","SC38778-12","ESAI","218-01-9","Chrysene","0.971","g/l","U","0.517","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-RB-090117","SW846 8270D","RES","SC38778-12","ESAI","321-60-8","2-Fluorobiphenyl","23.6","g/l","-99","NA","SUR","49","-99","NA","YES","48.5","1030","1","-99",

"TF1-RB-090117","SW846 8270D","RES","SC38778-12","ESAI","4165-60-0","Nitrobenzene-d5","22.1","g/l","-99","NA","SUR","46","-99","NA","YES","48.5","1030","1","-99",

"TF1-RB-090117","SW846 8270D","RES","SC38778-12","ESAI","50-32-8","Benzo (a) pyrene","0.971","g/l","U","0.546","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-RB-090117","SW846 8270D","RES","SC38778-12","ESAI","53-70-3","Dibenzo (a,h) anthracene","0.971","g/l","U","0.437","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-RB-090117","SW846 8270D","RES","SC38778-12","ESAI","56-55-3","Benzo (a) anthracene","0.971","g/l","U","0.520","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-RB-090117","SW846 8270D","RES","SC38778-12","ESAI","83-32-9","Acenaphthene","0.971","g/l","U","0.671","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-RB-090117","SW846 8270D","RES","SC38778-12","ESAI","85-01-8","Phenanthrene","0.971","g/l","U","0.569","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-RB-090117","SW846 8270D","RES","SC38778-12","ESAI","86-73-7","Fluorene","0.971","g/l","U","0.594","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-RB-090117","SW846 8270D","RES","SC38778-12","ESAI","90-12-0","1-Methylnaphthalene","0.971","g/l","U","0.712","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-RB-090117","SW846 8270D","RES","SC38778-12","ESAI","91-20-3","Naphthalene","0.971","g/l","U","0.665","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

"TF1-RB-090117","SW846 8270D","RES","SC38778-12","ESAI","91-57-6","2-Methylnaphthalene","0.971","g/l","U","0.557","MDL","TARGET","4.85","RDL","YES","-99","1030","1","0.971",

71",
"TF1-RB-090117DUP","EPA 300.0","RES","1715074-DUP2","ESAI","14797-55-8","Nitrate as N","0.100","mg/l","U","0.009","MDL","TARGET","0.100","RDL","YES","-99","TF1-RB-090117","5","5","0.100",
"TF1-RB-090117DUP","EPA 300.0","RES","1715074-DUP2","ESAI","14808-79-8","Sulfate as SO4","1.00","mg/l","U","0.307","MDL","TARGET","1.00","RDL","YES","-99","TF1-RB-090117","5","5","1.00",
"TF1-RB-090117DUP","EPA 300.0","RES","1715074-DUP2","ESAI","16887-00-6","Chloride","0.100","mg/l","U","0.0897","MDL","TARGET","1.00","RDL","YES","-99","TF1-RB-090117","5","5","0.100",
"TF1-RB-090117MS","EPA 300.0","RES","1715074-MS2","ESAI","14797-55-8","Nitrate as N","0.866","mg/l","0.009","MDL","SPIKE","108","0.100","RDL","YES","0.800","TF1-RB-090117","5","5","0.100",
"TF1-RB-090117MS","EPA 300.0","RES","1715074-MS2","ESAI","14808-79-8","Sulfate as SO4","8.49","mg/l","0.307","MDL","SPIKE","106","1.00","RDL","YES","8.00","TF1-RB-090117","5","5","1.00",
"TF1-RB-090117MS","EPA 300.0","RES","1715074-MS2","ESAI","16887-00-6","Chloride","8.83","mg/l","0.0897","MDL","SPIKE","110","1.00","RDL","YES","8.00","TF1-RB-090117","5","5","0.100",
"TF1-RB-090117MSD","EPA 300.0","RES","1715074-MSD2","ESAI","14797-55-8","Nitrate as N","0.867","mg/l","0.009","MDL","SPIKE","108","0.1","0.100","RDL","YES","0.800","TF1-RB-090117","5","5","0.100",
"TF1-RB-090117MSD","EPA 300.0","RES","1715074-MSD2","ESAI","14808-79-8","Sulfate as SO4","8.50","mg/l","0.307","MDL","SPIKE","106","0.1","1.00","RDL","YES","8.00","TF1-RB-090117","5","5","1.00",
"TF1-RB-090117MSD","EPA 300.0","RES","1715074-MSD2","ESAI","16887-00-6","Chloride","8.83","mg/l","0.0897","MDL","SPIKE","110","0.06","1.00","RDL","YES","8.00","TF1-RB-090117","5","5","0.100",
"TF1-TB-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","ESAI","17060-07-0","1,2-Dichloroethane-
d4","52.1","g/l","-99","NA","SUR","104","-99","NA","YES","50.0","5","5","-99",
"TF1-TB-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","ESAI","1868-53-
7","Dibromofluoromethane","50.0","g/l","-99","NA","SUR","100","-99","NA","YES","50.0","5","5","-99",
"TF1-TB-083117","SW846 8260C","RES","SC38778-08","ESAI","2037-26-5","Toluene-
d8","49.1","g/l","-99","NA","SUR","98","-99","NA","YES","50.0","5","5","-99",
"TF1-TB-083117","SW846 8260C","RES","SC38778-08","ESAI","3114-55-4","Chlorobenzene-
d5","50.0","g/l","-99","NA","ISTD","102","-99","NA","YES","50.0","5","5","-99",
"TF1-TB-083117","SW846 8260C","RES","SC38778-08","ESAI","3855-82-1","1,4-Dichlorobenzene-
d4","50.0","g/l","-99","NA","ISTD","100","-99","NA","YES","50.0","5","5","-99",
"TF1-TB-083117","SW846 8260C","RES","SC38778-08","ESAI","460-00-4","4-
Bromofluorobenzene","48.5","g/l","-99","NA","SUR","97","-99","NA","YES","50.0","5","5","-99",
"TF1-TB-083117","SW846 8260C","RES","SC38778-08","ESAI","462-06-
6","Fluorobenzene","50.0","g/l","-99","NA","ISTD","104","-99","NA","YES","50.0","5","5","-99",
"TF1-TB-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-083117","SW846 8260C","RES","SC38778-08","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-TB-083117","SW846 8260C","RES","SC38778-08","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-TB-083117","SW846 8260C","RES","SC38778-08","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-TB-083117","SW846 8260C","RES","SC38778-08","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-TB-083117","SW846 8260C","RES","SC38778-08","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-TB-083117","SW846 8260C","RES","SC38778-08","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-TB-083117","SW846 8260C","RES","SC38778-08","ESAI","98-82-8","Isopropylbenzene","1.0","g/l","U","0.4","MDL","TARGET","1.0","RDL","YES","-99","5","5","1.0",
"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715074-BLK1","Aqueous","1715074-BLK1","Method Bla","-99","EPA 300.0","Gen Prep","RES","09/01/2017 16:59","09/02/2017 05:28","ESAI","COA","NA","T","1","NA","100","1715074","1715074","1715074","1715074","SC38778","09/01/2017 18:30","10/13/2017 16:12",
"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715074-BS1","Aqueous","1715074-BS1","LCS","-99","EPA 300.0","Gen Prep","RES","09/01/2017 16:59","09/02/2017 06:16","ESAI","COA","NA","T","1","NA","100","1715074","1715074","1715074","1715074","SC38778","09/01/2017 18:30","10/13/2017 16:12",
"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715074-SRM1","Aqueous","1715074-SRM1","Reference","-99","EPA 300.0","Gen Prep","RES","09/01/2017 16:59","09/02/2017 06:32","ESAI","COA","NA","T","1","NA","100","1715074","1715074","1715074","1715074","SC38778","09/01/2017 18:30","10/13/2017 16:12",
"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715081-BLK1","Aqueous","1715081-BLK1","Method Bla","-99","SM18-22 5210B","Gen Prep","RES","09/01/2017 18:04","09/07/2017 17:17","ESAI","COA","NA","T","1","NA","100","1715081","1715081","1715081","1715081","SC38778","09/01/2017 18:30","10/13/2017 16:12",
"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715081-BLK2","Aqueous","1715081-BLK2","Method Bla","-99","SM18-22 5210B","Gen Prep","RES","09/01/2017 18:04","09/07/2017 17:17","ESAI","COA","NA","T","1","NA","100","1715081","1715081","1715081","1715081","SC38778","09/01/2017 18:30","10/13/2017 16:12",
"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715081-BS1","Aqueous","1715081-BS1","LCS","-99","SM18-22 5210B","Gen Prep","RES","09/01/2017 18:04","09/07/2017 17:17","ESAI","COA","NA","T","1","NA","100","1715081","1715081","1715081","1715081","SC38778","09/01/2017 18:30","10/13/2017 16:12",
"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715081-SRM1","Aqueous","1715081-SRM1","Reference","-99","SM18-22 5210B","Gen Prep","RES","09/01/2017 18:04","09/07/2017 17:17","ESAI","COA","NA","T","1","NA","100","1715081","1715081","1715081","1715081","SC38778","09/01/2017 18:30","10/13/2017 16:12",
"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715081-SRM1","Aqueous","1715081-SRM1","Reference","-99","SM18-22 5210B","Gen Prep","RES","09/01/2017 18:04","09/07/2017 17:17","ESAI","COA","NA","T","1","NA","100","1715081","1715081","1715081","1715081","SC38778","09/01/2017 18:30","10/13/2017 16:12",

1/2017 18:30","10/13/2017 16:12",
"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715081-SRM2","Aqueous","1715081-SRM2","Reference",",-99","SM18-22 5210B","Gen Prep","RES","09/01/2017 18:04","09/07/2017 17:17","ESAI","COA","NA","T","1","NA",,,,"100","1715081","1715081","1715081","1715081","SC38778","09/01/2017 18:30","10/13/2017 16:12",
"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715132-BLK1","Aqueous","1715132-BLK1","Method Bla",",-99","SW846 8082A","SW846 3510C","RES","09/01/2017 19:00","09/08/2017 18:47","ESAI","COA","NA","NA","1","NA",,,,"100","1715132","1715132","1715132","1715132","SC38778","09/01/2017 18:30","10/13/2017 16:12",
"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715132-BS1","Aqueous","1715132-BS1","LCS",",-99","SW846 8082A","SW846 3510C","RES","09/01/2017 19:00","09/08/2017 18:56","ESAI","COA","NA","NA","1","NA",,,,"100","1715132","1715132","1715132","1715132","SC38778","09/01/2017 18:30","10/13/2017 16:12",
"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715132-BSD1","Aqueous","1715132-BSD1","LCS Dup",",-99","SW846 8082A","SW846 3510C","RES","09/01/2017 19:00","09/08/2017 19:06","ESAI","COA","NA","NA","1","NA",,,,"100","1715132","1715132","1715132","1715132","SC38778","09/01/2017 18:30","10/13/2017 16:12",
"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715314-BLK1","Aqueous","1715314-BLK1","Method Bla",",-99","SW846 8270D","SW846 3510C","RES","09/07/2017 15:00","09/16/2017 14:14","ESAI","COA","NA","NA","1","NA",,,,"100","1715314","1715314","1715314","1715314","SC38778","09/01/2017 18:30","10/13/2017 16:12",
"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715314-BS1","Aqueous","1715314-BS1","LCS",",-99","SW846 8270D","SW846 3510C","RES","09/07/2017 15:00","09/16/2017 14:42","ESAI","COA","NA","NA","1","NA",,,,"100","1715314","1715314","1715314","1715314","SC38778","09/01/2017 18:30","10/13/2017 16:12",
"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715314-BSD1","Aqueous","1715314-BSD1","LCS Dup",",-99","SW846 8270D","SW846 3510C","RES","09/07/2017 15:00","09/16/2017 15:11","ESAI","COA","NA","NA","1","NA",,,,"100","1715314","1715314","1715314","1715314","SC38778","09/01/2017 18:30","10/13/2017 16:12",
"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715315-BLK1","Aqueous","1715315-BLK1","Method Bla",",-99","SW846 8081B","SW846 3510C","RES","09/07/2017 15:00","09/10/2017 00:23","ESAI","COA","NA","NA","1","NA",,,,"100","1715315","1715315","1715315","1715315","SC38778","09/01/2017 18:30","10/13/2017 16:12",
"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715315-BS1","Aqueous","1715315-BS1","LCS",",-99","SW846 8081B","SW846 3510C","RES","09/07/2017 15:00","09/10/2017 00:40","ESAI","COA","NA","NA","1","NA",,,,"100","1715315","1715315","1715315","1715315","SC38778","09/01/2017 18:30","10/13/2017 16:12",
"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715315-BSD1","Aqueous","1715315-BSD1","LCS Dup",",-99","SW846 8081B","SW846 3510C","RES","09/07/2017 15:00","09/10/2017 00:58","ESAI","COA","NA","NA","1","NA",,,,"100","1715315","1715315","1715315","1715315","SC38778","09/01/2017 18:30","10/13/2017 16:12",
"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715452-BLK1","Aqueous","1715452-BLK1","Method Bla",",-99","SW846 8260C","SW846 5030 Water MS","RES","09/11/2017 06:00","09/11/2017 09:10","ESAI","COA","NA","NA","1","NA",,,,"100","1715452","1715452","1715452","1715452","SC38778","09/01/2017 18:30","10/13/2017 16:12",
"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715452-BS1","Aqueous","1715452-BS1","LCS",",-99","SW846 8260C","SW846 5030 Water MS","RES","09/11/2017 06:00","09/11/2017 10:07","ESAI","COA","NA","NA","1","NA",,,,"100","1715452","1715452","1715452","1715452","SC38778","09/01/2017 18:30","10/13/2017 16:12",
"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715452-BSD1","Aqueous","1715452-BSD1","LCS Dup",",-99","SW846 8260C","SW846 5030 Water MS","RES","09/11/2017 06:00","09/11/2017 10:36","ESAI","COA","NA","NA","1","NA",,,,"100","1715452","1715452","1715452","1715452","SC38778","09/01/2017 18:30","10/13/2017 16:12",
"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715514-BLK1","Aqueous","1715514-BLK1","Method Bla",",-99","Mod EPA 3C/SOP RSK-175","Gen Prep","RES","09/11/2017 06:00","09/11/2017 09:32","ESAI","COA","NA","NA","1","NA",,,,"100","1715514","1715514","1715514","1715514","SC38778","09/01/2017 18:30","10/13/2017 16:12",

"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715514-BS1","Aqueous","1715514-BS1","LCS",-99,"Mod EPA 3C/SOP RSK-175","Gen Prep","RES","09/11/2017 06:00","09/11/2017 09:00","ESAI","COA","NA","NA","1","NA",,,,"100","1715514","1715514","1715514","1715514","SC38778","09/01/2017 18:30","10/13/2017 16:12",

"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715643-BLK1","Aqueous","1715643-BLK1","Method Bla",-99,"SM2320B (97, 11)","Gen Prep","RES","09/12/2017 18:47","09/13/2017 17:19","ESAI","COA","NA","T","1","NA",,,,"100","1715643","1715643","1715643","1715643","SC38778","09/01/2017 18:30","10/13/2017 16:12",

"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715643-BLK2","Aqueous","1715643-BLK2","Method Bla",-99,"SM2320B (97, 11)","Gen Prep","RES","09/12/2017 18:47","09/13/2017 17:52","ESAI","COA","NA","T","1","NA",,,,"100","1715643","1715643","1715643","1715643","SC38778","09/01/2017 18:30","10/13/2017 16:12",

"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715643-BLK3","Aqueous","1715643-BLK3","Method Bla",-99,"SM2320B (97, 11)","Gen Prep","RES","09/12/2017 18:47","09/13/2017 18:53","ESAI","COA","NA","T","1","NA",,,,"100","1715643","1715643","1715643","1715643","SC38778","09/01/2017 18:30","10/13/2017 16:12",

"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715643-BLK4","Aqueous","1715643-BLK4","Method Bla",-99,"SM2320B (97, 11)","Gen Prep","RES","09/12/2017 18:47","09/13/2017 19:24","ESAI","COA","NA","T","1","NA",,,,"100","1715643","1715643","1715643","1715643","SC38778","09/01/2017 18:30","10/13/2017 16:12",

"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715643-BS1","Aqueous","1715643-BS1","LCS",-99,"SM2320B (97, 11)","Gen Prep","RES","09/12/2017 18:47","09/13/2017 17:21","ESAI","COA","NA","T","1","NA",,,,"100","1715643","1715643","1715643","1715643","SC38778","09/01/2017 18:30","10/13/2017 16:12",

"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715643-BS2","Aqueous","1715643-BS2","LCS",-99,"SM2320B (97, 11)","Gen Prep","RES","09/12/2017 18:47","09/13/2017 17:54","ESAI","COA","NA","T","1","NA",,,,"100","1715643","1715643","1715643","1715643","SC38778","09/01/2017 18:30","10/13/2017 16:12",

"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715643-BS3","Aqueous","1715643-BS3","LCS",-99,"SM2320B (97, 11)","Gen Prep","RES","09/12/2017 18:47","09/13/2017 18:55","ESAI","COA","NA","T","1","NA",,,,"100","1715643","1715643","1715643","1715643","SC38778","09/01/2017 18:30","10/13/2017 16:12",

"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715643-BS4","Aqueous","1715643-BS4","LCS",-99,"SM2320B (97, 11)","Gen Prep","RES","09/12/2017 18:47","09/13/2017 19:25","ESAI","COA","NA","T","1","NA",,,,"100","1715643","1715643","1715643","1715643","SC38778","09/01/2017 18:30","10/13/2017 16:12",

"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715643-SRM1","Aqueous","1715643-SRM1","Reference",-99,"SM2320B (97, 11)","Gen Prep","RES","09/12/2017 18:47","09/13/2017 17:26","ESAI","COA","NA","T","1","NA",,,,"100","1715643","1715643","1715643","1715643","SC38778","09/01/2017 18:30","10/13/2017 16:12",

"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715646-BLK1","Aqueous","1715646-BLK1","Method Bla",-99,"SM5310B (00, 11)","Gen Prep","RES","09/12/2017 19:12","09/13/2017 09:56","ESAI","COA","NA","T","1","NA",,,,"100","1715646","1715646","1715646","1715646","SC38778","09/01/2017 18:30","10/13/2017 16:12",

"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715646-BS1","Aqueous","1715646-BS1","LCS",-99,"SM5310B (00, 11)","Gen Prep","RES","09/12/2017 19:12","09/13/2017 10:12","ESAI","COA","NA","T","1","NA",,,,"100","1715646","1715646","1715646","1715646","SC38778","09/01/2017 18:30","10/13/2017 16:12",

"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715646-CCB1","Aqueous","1715646-CCB1","Calibratio",-99,"SM5310B (00, 11)","Gen Prep","RES","09/12/2017 19:12","09/13/2017 09:40","ESAI","COA","NA","T","1","NA",,,,"100","1715646","1715646","1715646","1715646","SC38778","09/01/2017 18:30","10/13/2017 16:12",

"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715646-CCB2","Aqueous","1715646-CCB2","Calibratio",-99,"SM5310B (00, 11)","Gen Prep","RES","09/12/2017 19:12","09/13/2017 13:02","ESAI","COA","NA","T","1","NA",,,,"100","1715646","1715646","1715646","1715646","SC38778","09/01/2017 18:30","10/13/2017 16:12",

"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","1715646-CCB3","Aqueous","1715646-

CCB3","Calibratio", "-99", "SM5310B (00, 11)", "Gen Prep", "RES", "09/12/2017 19:12", "09/13/2017 18:25", "ESAI", "COA", "NA", "T", "1", "NA", "", "100", "1715646", "1715646", "1715646", "1715646", "SC38778", "09/01/2017 18:30", "10/13/2017 16:12",
"112608005-WE15", "WE15 Tank Farm 1 NAVSTA Newport", "1715646-CCV1", "Aqueous", "1715646-CCV1", "Calibratio", "-99", "SM5310B (00, 11)", "Gen Prep", "RES", "09/12/2017 19:12", "09/13/2017 09:24", "ESAI", "COA", "NA", "T", "1", "NA", "", "100", "1715646", "1715646", "1715646", "1715646", "SC38778", "09/01/2017 18:30", "10/13/2017 16:12",
"112608005-WE15", "WE15 Tank Farm 1 NAVSTA Newport", "1715646-CCV2", "Aqueous", "1715646-CCV2", "Calibratio", "-99", "SM5310B (00, 11)", "Gen Prep", "RES", "09/12/2017 19:12", "09/13/2017 12:46", "ESAI", "COA", "NA", "T", "1", "NA", "", "100", "1715646", "1715646", "1715646", "1715646", "SC38778", "09/01/2017 18:30", "10/13/2017 16:12",
"112608005-WE15", "WE15 Tank Farm 1 NAVSTA Newport", "1715646-CCV3", "Aqueous", "1715646-CCV3", "Calibratio", "-99", "SM5310B (00, 11)", "Gen Prep", "RES", "09/12/2017 19:12", "09/13/2017 18:09", "ESAI", "COA", "NA", "T", "1", "NA", "", "100", "1715646", "1715646", "1715646", "1715646", "SC38778", "09/01/2017 18:30", "10/13/2017 16:12",
"112608005-WE15", "WE15 Tank Farm 1 NAVSTA Newport", "1715646-SRM1", "Aqueous", "1715646-SRM1", "Reference", "-99", "SM5310B (00, 11)", "Gen Prep", "RES", "09/12/2017 19:12", "09/13/2017 10:27", "ESAI", "COA", "NA", "T", "1", "NA", "", "100", "1715646", "1715646", "1715646", "1715646", "SC38778", "09/01/2017 18:30", "10/13/2017 16:12",
"112608005-WE15", "WE15 Tank Farm 1 NAVSTA Newport", "1715783-BLK1", "Aqueous", "1715783-BLK1", "Method Bla", "-99", "SW846 6010C", "SW846 3005A", "RES", "09/18/2017 15:30", "09/19/2017 22:58", "ESAI", "COA", "NA", "T", "1", "NA", "", "100", "1715783", "1715783", "1715783", "1715783", "SC38778", "09/01/2017 18:30", "10/13/2017 16:12",
"112608005-WE15", "WE15 Tank Farm 1 NAVSTA Newport", "1715783-BS1", "Aqueous", "1715783-BS1", "LCS", "-99", "SW846 6010C", "SW846 3005A", "RES", "09/18/2017 15:30", "09/19/2017 23:03", "ESAI", "COA", "NA", "T", "1", "NA", "", "100", "1715783", "1715783", "1715783", "1715783", "SC38778", "09/01/2017 18:30", "10/13/2017 16:12",
"112608005-WE15", "WE15 Tank Farm 1 NAVSTA Newport", "1715783-BSD1", "Aqueous", "1715783-BSD1", "LCS Dup", "-99", "SW846 6010C", "SW846 3005A", "RES", "09/18/2017 15:30", "09/19/2017 23:08", "ESAI", "COA", "NA", "T", "1", "NA", "", "100", "1715783", "1715783", "1715783", "1715783", "SC38778", "09/01/2017 18:30", "10/13/2017 16:12",
"112608005-WE15", "WE15 Tank Farm 1 NAVSTA Newport", "1715786-BLK1", "Aqueous", "1715786-BLK1", "Method Bla", "-99", "EPA 245.1/7470A", "EPA200/SW7000 Series", "RES", "09/16/2017 14:00", "09/25/2017 14:23", "ESAI", "COA", "NA", "T", "1", "NA", "", "100", "1715786", "1715786", "1715786", "1715786", "SC38778", "09/01/2017 18:30", "10/13/2017 16:12",
"112608005-WE15", "WE15 Tank Farm 1 NAVSTA Newport", "1715786-BS1", "Aqueous", "1715786-BS1", "LCS", "-99", "EPA 245.1/7470A", "EPA200/SW7000 Series", "RES", "09/16/2017 14:00", "09/25/2017 14:59", "ESAI", "COA", "NA", "T", "1", "NA", "", "100", "1715786", "1715786", "1715786", "1715786", "SC38778", "09/01/2017 18:30", "10/13/2017 16:12",
"112608005-WE15", "WE15 Tank Farm 1 NAVSTA Newport", "1716143-BLK1", "Aqueous", "1716143-BLK1", "Method Bla", "-99", "SW846 6010C", "SW846 3005A", "RES", "09/18/2017 15:30", "09/20/2017 21:56", "ESAI", "COA", "NA", "T", "1", "NA", "", "100", "1716143", "1716143", "1716143", "1716143", "SC38778", "09/01/2017 18:30", "10/13/2017 16:12",
"112608005-WE15", "WE15 Tank Farm 1 NAVSTA Newport", "1716143-BS1", "Aqueous", "1716143-BS1", "LCS", "-99", "SW846 6010C", "SW846 3005A", "RES", "09/18/2017 15:30", "09/20/2017 22:01", "ESAI", "COA", "NA", "T", "1", "NA", "", "100", "1716143", "1716143", "1716143", "1716143", "SC38778", "09/01/2017 18:30", "10/13/2017 16:12",
"112608005-WE15", "WE15 Tank Farm 1 NAVSTA Newport", "1716143-BSD1", "Aqueous", "1716143-BSD1", "LCS Dup", "-99", "SW846 6010C", "SW846 3005A", "RES", "09/18/2017 15:30", "09/20/2017 22:06", "ESAI", "COA", "NA", "T", "1", "NA", "", "100", "1716143", "1716143", "1716143", "1716143", "SC38778", "09/01/2017 18:30", "10/13/2017 16:12",
"112608005-WE15", "WE15 Tank Farm 1 NAVSTA Newport", "TF1-DUP-02-083117", "08/31/2017 00:00", "Aqueous", "SC38778-03", "NM", "SC38778", "2.6", "EPA 200/6000 methods", "Gen Prep", "RES", "09/02/2017 13:30", "09/02/2017 13:30", "ESAI", "COA", "NA", "T", "1", "NA", "", "100", "1715096", "1715096", "1715096", "1715096", "SC38778", "09/01/2017 18:30", "10/13/2017 16:12",

"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","TF1-DUP-02-083117","08/31/2017 00:00","Aqueous","SC38778-03","NM","SC38778","2.6","EPA 245.1/7470A","EPA200/SW7000 Series","RES","09/16/2017 14:00","09/25/2017 14:39","ESAI","COA","NA","T","1","NA",,,,"100","1715786","1715786","1715786","1715786","SC38778","09/01/2017 18:30","10/13/2017 16:12",
"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","TF1-DUP-02-083117","08/31/2017 00:00","Aqueous","SC38778-03","NM","SC38778","2.6","EPA 300.0","Gen Prep","RES","09/01/2017 16:59","09/01/2017 20:40","ESAI","COA","NA","T","1","NA",,,,"100","1715074","1715074","1715074","1715074","SC38778","09/01/2017 18:30","10/13/2017 16:12",
"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","TF1-DUP-02-083117","08/31/2017 00:00","Aqueous","SC38778-03","NM","SC38778","2.6","Mod EPA 3C/SOP RSK-175","Gen Prep","RES","09/11/2017 06:00","09/11/2017 11:56","ESAI","COA","NA","NA","1","NA",,,,"100","1715514","1715514","1715514","1715514","SC38778","09/01/2017 18:30","10/13/2017 16:12",
"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","TF1-DUP-02-083117","08/31/2017 00:00","Aqueous","SC38778-03","NM","SC38778","2.6","SM18-22 5210B","Gen Prep","RES","09/01/2017 18:04","09/07/2017 17:17","ESAI","COA","NA","T","1","NA",,,,"100","1715081","1715081","1715081","1715081","SC38778","09/01/2017 18:30","10/13/2017 16:12",
"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","TF1-DUP-02-083117","08/31/2017 00:00","Aqueous","SC38778-03","NM","SC38778","2.6","SM2320B (97, 11)","Gen Prep","RES","09/12/2017 18:47","09/13/2017 17:47","ESAI","COA","NA","T","1","NA",,,,"100","1715643","1715643","1715643","1715643","SC38778","09/01/2017 18:30","10/13/2017 16:12",
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15:00","09/16/2017
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3005A","RES","09/18/2017 15:30","09/19/2017
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3005A","RES","09/18/2017 15:30","09/20/2017
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15:30","09/19/2017
23:39","ESAI","COA","NA","T","1","NA",,,,"100","1715783","1715783","1715783","1715783","SC38778","09/0
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15:30","09/20/2017
22:37","ESAI","COA","NA","T","1","NA",,,,"100","1716143","1716143","1716143","1716143","SC38778","09/0
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3005A","RES","09/18/2017 15:30","09/19/2017
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00:00","Aqueous","1716143-MSD1","MSD","SC38778","2.6","SW846 6010C","SW846
3005A","RES","09/18/2017 15:30","09/20/2017
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00:00","Aqueous","1715783-PS1","Post Spike","SC38778","2.6","SW846 6010C","SW846
3005A","RES","09/18/2017 15:30","09/19/2017
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3005A","RES","09/18/2017 15:30","09/20/2017
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Prep","RES","09/02/2017 13:30","09/02/2017
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Series","RES","09/16/2017 14:00","09/25/2017
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MS","RES","09/11/2017 08:41","09/11/2017
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Prep","RES","09/12/2017 18:47","09/13/2017
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Series","RES","09/16/2017 14:00","09/25/2017
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18:04","09/07/2017
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Series","RES","09/16/2017 14:00","09/25/2017
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18:04","09/07/2017
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Prep","RES","09/12/2017 18:47","09/13/2017

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"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","TF1-GT-110-083117","08/31/2017 10:56","Aqueous","SC38778-02","NM","SC38778","2.6","SM2320B (97, 11)","Gen Prep","RES","09/12/2017 18:47","09/13/2017 17:42","ESAI","COA","NA","T","1","NA",,,,"100","1715643","1715643","1715643","1715643","SC38778","09/01/2017 18:30","10/13/2017 16:12",
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10:56","Aqueous","SC38778-02","NM","SC38778","2.6","SW846 6010C","SW846 3005A","RES","09/18/2017
15:30","09/19/2017
23:18","ESAI","COA","NA","T","1","NA",,,,"100","1715783","1715783","1715783","1715783","SC38778","09/0
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10:56","Aqueous","SC38778-02","NM","SC38778","2.6","SW846 6010C","SW846 3005A","RES","09/18/2017
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10:56","Aqueous","SC38778-02","NM","SC38778","2.6","SW846 8081B","SW846 3510C","RES","09/07/2017
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01/2017 18:30","10/13/2017 16:12",
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10:56","Aqueous","SC38778-02","NM","SC38778","2.6","SW846 8260C","SW846 5030 Water
MS","RES","09/11/2017 08:41","09/11/2017
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10:56","Aqueous","SC38778-02","NM","SC38778","2.6","SW846 8270D","SW846 3510C","RES","09/07/2017
15:00","09/16/2017
16:36","ESAI","COA","NA","NA","1","NA",,,,"100","1715314","1715314","1715314","1715314","SC38778","09/
01/2017 18:30","10/13/2017 16:12",
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10:56","H2O","SC38778-02","NM","SC38778","2.6","EPA 537 Modified","METHOD","RES","09/10/2017
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10:56","H2O","SC38778-02","NM","SC38778","2.6","SW846 6020A","SW-846 3020A","RES","10/08/2017
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21:44","ESAI","COA","NA","NA","1","NA",,,,"-99","172771063902","172771063902","172771063902","172771
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Prep","RES","09/02/2017 13:30","09/02/2017
13:30","ESAI","COA","NA","T","1","NA",,,,"100","1715096","1715096","1715096","1715096","SC38778","09/0
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Series","RES","09/16/2017 14:00","09/25/2017
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22:05","ESAI","COA","NA","NA","1","NA",,, "-99","172771063902","172771063902","172771063902","172771
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3510C","RES","09/07/2017 15:00","09/10/2017
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Prep","RES","09/02/2017 13:30","09/02/2017
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Series","RES","09/16/2017 14:00","09/25/2017
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Prep","RES","09/11/2017 06:00","09/11/2017
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09:07","Aqueous","SC38778-10","NM","SC38778","2.6","SW846 6010C","SW846 3005A","RES","09/18/2017
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23:22","ESAI","COA","NA","T","1","NA",,,,"100","1716143","1716143","1716143","1716143","SC38778","09/0
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09:07","Aqueous","SC38778-10","NM","SC38778","2.6","SW846 8081B","SW846 3510C","RES","09/07/2017
15:00","09/10/2017
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MS","RES","09/11/2017 08:41","09/11/2017
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15:00","09/16/2017
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22:08","ESAI","COA","NA","NA","1","NA",,,,"-99","172771063902","172771063902","172771063902","172771
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09:07","H2O","SC38778-10","NM","SC38778","2.6","SW-846 8015B","SW-846 3510C","RES","09/07/2017
08:00","09/08/2017
14:28","ESAI","COA","NA","NA","1","NA",,,,"-99","172490041A","172490041A","172490041A","172490041A",
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09:07","Aqueous","1715314-DUP1","Duplicate","SC38778","2.6","SW846 8270D","SW846
3510C","RES","09/07/2017 15:00","09/16/2017
19:54","ESAI","COA","NA","NA","1","NA",,,,"100","1715314","1715314","1715314","1715314","SC38778","09/
01/2017 18:30","10/13/2017 16:12",
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09:07","Aqueous","1715646-DUP1","Duplicate","SC38778","2.6","SM5310B (00, 11)","Gen
Prep","RES","09/12/2017 19:12","09/13/2017
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19:12","09/13/2017
13:47","ESAI","COA","NA","T","1","NA",,,,"100","1715646","1715646","1715646","1715646","SC38778","09/0
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Prep","RES","09/12/2017 19:12","09/13/2017
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14:40","Aqueous","SC38778-04","NM","SC38778","2.6","EPA 200/6000 methods","Gen
Prep","RES","09/02/2017 13:30","09/02/2017

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"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","TF1-GT-128-083117","08/31/2017 14:40","Aqueous","SC38778-04","NM","SC38778","2.6","EPA 245.1/7470A","EPA200/SW7000 Series","RES","09/16/2017 14:00","09/25/2017 14:41","ESAI","COA","NA","T","1","NA",,,,100","1715786","1715786","1715786","1715786","SC38778","09/01/2017 18:30","10/13/2017 16:12",
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"112608005-WE15","WE15 Tank Farm 1 NAVSTA Newport","TF1-GT-128-083117","08/31/2017 14:40","Aqueous","SC38778-04","NM","SC38778","2.6","SM18-22 5210B","Gen Prep","RES","09/01/2017 18:04","09/07/2017 17:17","ESAI","COA","NA","T","1","NA",,,,100","1715081","1715081","1715081","1715081","SC38778","09/01/2017 18:30","10/13/2017 16:12",
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Prep","RES","09/02/2017 13:30","09/02/2017
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Series","RES","09/16/2017 14:00","09/25/2017
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09:03","Aqueous","SC38778-11","NM","SC38778","2.6","Mod EPA 3C/SOP RSK-175","Gen
Prep","RES","09/11/2017 06:00","09/11/2017
14:17","ESAI","COA","NA","NA","1","NA",,,,"100","1715514","1715514","1715514","1715514","SC38778","09/
01/2017 18:30","10/13/2017 16:12",
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09:03","Aqueous","SC38778-11","NM","SC38778","2.6","SM18-22 5210B","Gen Prep","RES","09/01/2017
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22:12","ESAI","COA","NA","NA","1","NA",,"-99","172771063902","172771063902","172771063902","172771063902","SC38778","09/01/2017 18:30","10/13/2017 16:12",
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SC38778","09/01/2017 18:30","10/13/2017 16:12",
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Series","RES","09/16/2017 14:00","09/25/2017
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Prep","RES","09/11/2017 06:00","09/11/2017
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MS","RES","09/11/2017 08:41","09/11/2017
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SC38778","09/01/2017 18:30","10/13/2017 16:12",
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Prep","RES","09/02/2017 13:30","09/02/2017
13:30","ESAI","COA","NA","T","1","NA",,, "100","1715096","1715096","1715096","1715096","SC38778","09/0
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Series","RES","09/16/2017 14:00","09/25/2017
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15:05","Aqueous","SC38778-06","NM","SC38778","2.6","EPA 300.0","Gen Prep","RES","09/01/2017
16:59","09/02/2017
00:56","ESAI","COA","NA","T","1","NA",,, "100","1715074","1715074","1715074","1715074","SC38778","09/0
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15:05","Aqueous","SC38778-06","NM","SC38778","2.6","Mod EPA 3C/SOP RSK-175","Gen
Prep","RES","09/11/2017 06:00","09/11/2017
13:05","ESAI","COA","NA","NA","1","NA",,, "100","1715514","1715514","1715514","1715514","SC38778","09/
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15:05","Aqueous","SC38778-06","NM","SC38778","2.6","SM18-22 5210B","Gen Prep","RES","09/01/2017
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15:30","09/20/2017

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15:00","09/10/2017
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TETRA TECH

INTERNAL CORRESPONDENCE

TO: S. PARKER **DATE:** FEBRUARY 16, 2018
FROM: MICHELLE L. WOEBER **COPIES:** DV FILE
SUBJECT: ORGANIC & INORGANIC DATA VALIDATION – VOC/PAH/OVG/PCB/PEST/EPH/PFAS/
METALS/ MISCELLANEOUS
NAVAL STATION (NAVSTA) NEWPORT, PORTSMOUTH, RHODE ISLAND
TANK FARM 1 - SITE 7
SAMPLE DELIVERY GROUP (SDG) SC38778

SAMPLES: 11/Aqueous/VOC

TF1-DUP-02-083117	TF1-EBP-GT124R-083117	TF1-GT-110-083117
TF1-GT-112-090117	TF1-GT-120-090117	TF1-GT-128-083117
TF1-GT-131-090117	TF1-GZ-114-083117	TF1-GZ-117-083117
TF1-RB-090117	TF1-TB-083117	

10/Aqueous/PAH/OVG/PEST/TPH/PFAS/Metals/Miscellaneous

TF1-DUP-02-083117	TF1-EBP-GT124R-083117	TF1-GT-110-083117
TF1-GT-112-090117	TF1-GT-120-090117	TF1-GT-128-083117
TF1-GT-131-090117	TF1-GZ-114-083117	TF1-GZ-117-083117
TF1-RB-090117		

2/Aqueous/PCB

TF1-DUP-02-083117	TF1-GT-110-083117

2/Aqueous/PFAS

TF1-FRB-083117	TF1-FRB-090117

Overview

The sample set for NAVSTA Newport, SDG SC38778 consisted of nine (9) aqueous environmental samples, one (1) rinsate blank, two (2) Field Reagent Blanks (FRBs), and one (1) trip blank. All nine (9) aqueous environmental samples were analyzed for Volatile Organic Compounds (VOC), Polynuclear Aromatic Hydrocarbons (PAH), Organic Volatile Gases (OVG), Pesticides (PEST), Extractable Petroleum Hydrocarbons (EPH), polyfluoroalkyl substances (PFAS), Target Analyte List (TAL) metals, and miscellaneous parameters (alkalinity, Biochemical Oxygen Demand (BOD), Total Organic Carbon (TOC), chloride, sulfate as SO₄, and nitrate as N). Two (2) aqueous samples were analyzed for Polychlorinated Biphenyls (PCB). The FRB was analyzed for PFAS only and the trip blank was analyzed for VOC only. One field duplicate sample pair was included in this SDG: TF1-DUP-02-083117/TF1-GT-118-091217.

The samples were collected by Tetra Tech, Inc. on August 31 and September 1, 2017 and analyzed by Test America. All analyses were conducted in accordance with EPA Methods SW846 8260C, 8270D, 8082A, 8081B, 8015B, 6010C, 6020A, 7470A, EPA 245.1/7470A, Modified EPA 3C/SOP RSK-175, EPA Method 300, EPA 537 Modified, SM18-22 5210B, SM2320B (97,11), and SM2310B (00,11) 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, Trip, and FRB Blank Results
- Surrogate Spike Recoveries
- * • Internal Standard Recoveries/Areas
- * • Laboratory Control Sample/Laboratory Control Sample Duplicate Results
- Matrix Spike/Matrix Spike Duplicate Results
- Laboratory Duplicate Precision
- Field Duplicate Precision
- * • ICP Serial Dilution Results
- * • 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.

FRB RESULTS

The following compounds were detected in the FRBs at the following maximum concentrations:

<u>Analyte</u>	<u>Maximum Concentration (ng/L)</u>	<u>Action Level Limit of Quantitation (LOQ) > or <</u>
Pentadecafluorooctanoic Acid ⁽¹⁾	4	> LOQ
Perfluorooctane Sulfonic Acid ⁽¹⁾	7	> LOQ
Perfluorodecafluorooctanoic Acid ⁽²⁾	1	< LOQ

⁽¹⁾ - Maximum concentration detected in FRB, TF1-FRB-083117, affecting samples sampled on 08/31/2017.

⁽²⁾ - Maximum concentration detected in FRB, TF1-FRB-090117, affecting samples sampled on 09/01/2017.

The detected results reported for pentadecafluorooctanoic acid and perfluorooctane sulfonic acid above the LOQ but less than 10X the maximum concentration (FRB sampled on 08/31/2017) were qualified as estimated, with a high bias, (J+). Detected results reported for perfluorooctane sulfonic acid below the LOQ were qualified as non-detected, (U). No action was taken for pentadecafluorooctanoic acid (FRB sampled on 09/01/2017) because this compound was detected above the LOQ in the environmental samples. The rinsate blank is not qualified for blank contamination.

SURROGATE SPIKE RECOVERIES

The PAH surrogate spike compound, 2-fluorobiphenyl, had a Percent Recovery (%R) which was below the lower quality control limit in sample TF1-DUP-02-083117. The sample was not re-extracted/reanalyzed. The non-detected results reported for the PAH target compounds were qualified as estimated, (UJ).

The labeled surrogate compound, 13C8-perfluorooctane sulfonamide (13C8-PFOSA) had %Rs below the lower quality control limit in all samples. The %R for sample TF1-GZ-114-083117 was less than 10%. The

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SDG: SC38778

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non-detected results reported for the associated compound, perfluorooctane sulfonamide, in these samples were qualified as either rejected, (UR) if %R < 10%, or estimated, (UJ).

LABORATORY DUPLICATE PRECISION

The Relative Percent Difference (RPD) for alkalinity exceeded the 20% quality control limit. All samples were affected. The detected and non-detected results reported for alkalinity in the affected samples were qualified as estimated, (J) and (UJ), respectively.

FIELD DUPLICATE PRECISION

The difference between the detected and non-detected results for methane were greater than 2X the LOQ in the field duplicate pair. The detected and non-detected results for methane in the field duplicate pair were qualified as estimated, (J) and (UJ), respectively.

NOTES

Iron was detected in the laboratory method blank below the LOQ. No action was taken because the results for this analyte were above the LOQ.

The %R for the PEST surrogate spike compound, 4,4-DB-octafluorobiphenyl, had a high recovery in sample TF1-GT-110-083117. No action was necessary because no target compounds were detected in this sample.

The PEST LCS/LCSD analyses had Relative Percent Differences (RPDs) for methoxychlor and endrin ketone which exceeded the 20% quality control criterion on GC column 1. No action was taken because the %Rs for these compounds were acceptable.

The SW846 6010C MS/MSD had a MSD %R for iron slightly below the lower quality control limit (1%). No action was taken because the MS and PDS %Rs for iron were acceptable.

The BOD MS/MSD had a RPD above the 20% quality control criterion. No action was taken because the MS and MSD %Rs were within the quality control limits.

The following samples were analyzed at dilutions:

<u>Sample</u>	<u>Analyte/Parameter</u>	<u>Dilution</u>
TF1-GT-112-090117	Perfluorooctane Sulfonic Acid	10X
TF1-GT-128-083117	Sulfate	3X
TF1-GT-128-083117	TPH (C08-C44)	5X
TF1-GZ-117-083117	Manganese	5X

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: Compounds were detected in the FRBs. Iron was detected in a laboratory method blank. Low surrogate %Rs were noted in the PAH and PFAS fractions.

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

TO: S. PARKER
SDG: SC38778

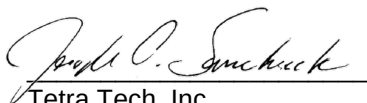
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The data for these analyses were reviewed with reference to the "National Functional Guidelines for Organic Superfund Methods Data Review" (January 2017), the "National Functional Guidelines for Inorganic Superfund Methods Data Review" (January 2017), the 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), USEPA New England Environmental Data Review Supplement For Regional Data Review Elements and Superfund Specific Guidance/Procedures (April 2013), and the Department of Defense (DoD) document entitled, "Quality Systems Manual (QSM) for Environmental Laboratories" (July 2013). The text of this report has been formulated to address only those areas affecting data quality.



Tetra Tech, Inc.
Michelle L. Woeber
Environmental Chemist

for



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

Attachments:

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

Data Qualifier Definitions

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

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

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Qualifier Codes:

- A = Lab Blank Contamination
- B = Field Blank Contamination
- C = Calibration Noncompliance (i.e., % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
- C01 = GC/MS Tuning Noncompliance
- D = MS/MSD Recovery Noncompliance
- E = LCS/LCSD Recovery Noncompliance
- F = Lab Duplicate Imprecision
- G = Field Duplicate Imprecision
- H = Holding Time Exceedance
- I = ICP Serial Dilution Noncompliance
- J = ICP PDS Recovery Noncompliance; MSA's $r < 0.995$
- K = ICP Interference - includes ICS % R Noncompliance
- L = Instrument Calibration Range Exceedance
- M = Sample Preservation Noncompliance
- N = Internal Standard Noncompliance
- N01 = Internal Standard Recovery Noncompliance Dioxins
- N02 = Recovery Standard Noncompliance Dioxins
- N03 = Clean-up Standard Noncompliance Dioxins
- O = Poor Instrument Performance (i.e., base-time drifting)
- P = Uncertainty near detection limit ($< 2 \times$ 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: SC38778 FRACTION: OV MEDIA: WATER	NSAMPLE	TF1-DUP-02-083117			TF1-EBP-GT124R-083117			TF1-GT-110-083117			TF1-GT-112-090117		
	LAB_ID	SC38778-03			SC38778-01			SC38778-02			SC38778-09		
	SAMP_DATE	8/31/2017			8/31/2017			8/31/2017			9/1/2017		
	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-GT-110-083117											
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: SC38778 FRACTION: OV MEDIA: WATER	NSAMPLE	TF1-GT-120-090117			TF1-GT-128-083117			TF1-GT-131-090117			TF1-GZ-114-083117		
	LAB_ID	SC38778-10			SC38778-04			SC38778-11			SC38778-05		
	SAMP_DATE	9/1/2017			8/31/2017			9/1/2017			8/31/2017		
	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												
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			8			2 U			2 U		
ACETONE		2 U			2 U			2 U			1.8 J	P	
BENZENE		1.1			0.5 U			0.5 U			0.6 J	P	
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		0.8 J	P		1.3 J	P		2 U			2 U		
DICHLORODIFLUOROMETHANE		2 U			2 U			2 U			2 U		

PROJ_NO: 08005-WE15 SDG: SC38778 FRACTION: OV MEDIA: WATER	NSAMPLE	TF1-GZ-117-083117			TF1-RB-090117			TF1-TB-083117		
	LAB_ID	SC38778-06			SC38778-12			SC38778-08		
	SAMP_DATE	8/31/2017			9/1/2017			8/31/2017		
	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			3.7 J	P		2 U		
BENZENE		1.8			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 U			0.5 U		
CYCLOHEXANE		5.6			2 U			2 U		
DICHLORODIFLUOROMETHANE		2 U			2 U			2 U		

PROJ_NO: 08005-WE15 SDG: SC38778 FRACTION: OV MEDIA: WATER	NSAMPLE	TF1-DUP-02-083117			TF1-EBP-GT124R-083117			TF1-GT-110-083117			TF1-GT-112-090117		
	LAB_ID	SC38778-03			SC38778-01			SC38778-02			SC38778-09		
	SAMP_DATE	8/31/2017			8/31/2017			8/31/2017			9/1/2017		
	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-GT-110-083117											
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		0.5 U			0.5 U			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		
TRICHLOROFLUOROMETHANE		1 U			1 U			1 U			1 U		
VINYL CHLORIDE		1 U			1 U			1 U			1 U		

PROJ_NO: 08005-WE15 SDG: SC38778 FRACTION: OV MEDIA: WATER	NSAMPLE	TF1-GT-120-090117			TF1-GT-128-083117			TF1-GT-131-090117			TF1-GZ-114-083117		
	LAB_ID	SC38778-10			SC38778-04			SC38778-11			SC38778-05		
	SAMP_DATE	9/1/2017			8/31/2017			9/1/2017			8/31/2017		
	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												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ETHYLBENZENE		6.8			0.5 U			0.5 U			0.4 J		P
ISOPROPYLBENZENE		2.8			0.5 J		P	1.1			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			1.8 J		P	2 U			2 U		
METHYL TERT-BUTYL ETHER		1.3			0.5 U			0.5 U			5.2		
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			1.5		
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		
TRICHLOROFLUOROMETHANE		1 U			1 U			1 U			1 U		
VINYL CHLORIDE		1 U			1 U			1 U			1 U		

PROJ_NO: 08005-WE15 SDG: SC38778 FRACTION: OV MEDIA: WATER	NSAMPLE	TF1-GZ-117-083117			TF1-RB-090117			TF1-TB-083117		
	LAB_ID	SC38778-06			SC38778-12			SC38778-08		
	SAMP_DATE	8/31/2017			9/1/2017			8/31/2017		
	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		1.7			0.5 U			0.5 U		
ISOPROPYLBENZENE		2.7			1 U			1 U		
M+P-XYLENES		3.3			1 U			1 U		
METHYL ACETATE		2 U			2 U			2 U		
METHYL CYCLOHEXANE		1.9 J		P	2 U			2 U		
METHYL TERT-BUTYL ETHER		1.8			0.5 U			0.5 U		
METHYLENE CHLORIDE		2 U			2 U			2 U		
O-XYLENE		0.4 J		P	1 U			1 U		
STYRENE		1 U			1 U			1 U		
TETRACHLOROETHENE		1 U			1 U			1 U		
TOLUENE		0.4 J		P	1 U			1 U		
TRANS-1,2-DICHLOROETHENE		1 U			1 U			1 U		
TRANS-1,3-DICHLOROPROPENE		0.5 U			0.5 U			0.5 U		
TRICHLOROETHENE		1 U			1 U			1 U		
TRICHLOROFLUOROMETHANE		1 U			1 U			1 U		
VINYL CHLORIDE		1 U			1 U			1 U		

PROJ_NO: 08005-WE15 SDG: SC38778 FRACTION: OS MEDIA: WATER	NSAMPLE	TF1-DUP-02-083117			TF1-EBP-GT124R-083117			TF1-GT-110-083117			TF1-GT-112-090117		
	LAB_ID	SC38778-03			SC38778-01			SC38778-02			SC38778-09		
	SAMP_DATE	8/31/2017			8/31/2017			8/31/2017			9/1/2017		
	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-GT-110-083117											
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1-METHYLNAPHTHALENE		0.971	U		0.962	U		0.971	U		1.02	U	
2-METHYLNAPHTHALENE		0.971	U		0.962	U		0.971	U		1.02	U	
ACENAPHTHENE		0.971	U		0.962	U		0.971	U		1.02	U	
ACENAPHTHYLENE		0.971	U		0.962	U		0.971	U		1.02	U	
ANTHRACENE		0.971	U		0.962	U		0.971	U		1.02	U	
BENZO(A)ANTHRACENE		0.971	U		0.962	U		0.971	U		1.02	U	
BENZO(A)PYRENE		0.971	U		0.962	U		0.971	U		1.02	U	
BENZO(B)FLUORANTHENE		0.971	U		0.962	U		0.971	U		1.02	U	
BENZO(G,H,I)PERYLENE		0.971	U		0.962	U		0.971	U		1.02	U	
BENZO(K)FLUORANTHENE		0.971	U		0.962	U		0.971	U		1.02	U	
CHRYSENE		0.971	U		0.962	U		0.971	U		1.02	U	
DIBENZO(A,H)ANTHRACENE		0.971	U		0.962	U		0.971	U		1.02	U	
FLUORANTHENE		0.971	U		0.962	U		0.971	U		1.02	U	
FLUORENE		0.971	U		0.962	U		0.971	U		1.02	U	
INDENO(1,2,3-CD)PYRENE		0.971	U		0.962	U		0.971	U		1.02	U	
NAPHTHALENE		0.971	U		0.962	U		0.971	U		1.02	U	
PHENANTHRENE		0.971	U		0.962	U		0.971	U		1.02	U	
PYRENE		0.971	U		0.962	U		0.971	U		1.02	U	

PROJ_NO: 08005-WE15 SDG: SC38778 FRACTION: OS MEDIA: WATER	NSAMPLE	TF1-GT-120-090117			TF1-GT-128-083117			TF1-GT-131-090117			TF1-GZ-114-083117		
	LAB_ID	SC38778-10			SC38778-04			SC38778-11			SC38778-05		
	SAMP_DATE	9/1/2017			8/31/2017			9/1/2017			8/31/2017		
	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												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1-METHYLNAPHTHALENE		0.971	U		0.962	U		0.971	U		1.18	U	
2-METHYLNAPHTHALENE		0.971	U		0.962	U		0.971	U		1.18	U	
ACENAPHTHENE		0.971	U		0.962	U		0.971	U		1.18	U	
ACENAPHTHYLENE		0.971	U		0.962	U		0.971	U		1.18	U	
ANTHRACENE		0.971	U		0.962	U		0.971	U		1.18	U	
BENZO(A)ANTHRACENE		0.971	U		0.962	U		0.971	U		1.18	U	
BENZO(A)PYRENE		0.971	U		0.962	U		0.971	U		1.18	U	
BENZO(B)FLUORANTHENE		0.971	U		0.962	U		0.971	U		1.18	U	
BENZO(G,H,I)PERYLENE		0.971	U		0.962	U		0.971	U		1.18	U	
BENZO(K)FLUORANTHENE		0.971	U		0.962	U		0.971	U		1.18	U	
CHRYSENE		0.971	U		0.962	U		0.971	U		1.18	U	
DIBENZO(A,H)ANTHRACENE		0.971	U		0.962	U		0.971	U		1.18	U	
FLUORANTHENE		0.971	U		0.962	U		0.971	U		1.18	U	
FLUORENE		0.971	U		0.962	U		0.971	U		1.18	U	
INDENO(1,2,3-CD)PYRENE		0.971	U		0.962	U		0.971	U		1.18	U	
NAPHTHALENE		0.971	U		0.962	U		0.971	U		1.18	U	
PHENANTHRENE		0.971	U		0.962	U		0.971	U		1.18	U	
PYRENE		0.971	U		0.962	U		0.971	U		1.18	U	

PROJ_NO: 08005-WE15 SDG: SC38778 FRACTION: OS MEDIA: WATER	NSAMPLE	TF1-GZ-117-083117			TF1-RB-090117		
	LAB_ID	SC38778-06			SC38778-12		
	SAMP_DATE	8/31/2017			9/1/2017		
	QC_TYPE	NM			NM		
	UNITS	UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
1-METHYLNAPHTHALENE		1.04	U		0.971	U	
2-METHYLNAPHTHALENE		1.04	U		0.971	U	
ACENAPHTHENE		1.04	U		0.971	U	
ACENAPHTHYLENE		1.04	U		0.971	U	
ANTHRACENE		1.04	U		0.971	U	
BENZO(A)ANTHRACENE		1.04	U		0.971	U	
BENZO(A)PYRENE		1.04	U		0.971	U	
BENZO(B)FLUORANTHENE		1.04	U		0.971	U	
BENZO(G,H,I)PERYLENE		1.04	U		0.971	U	
BENZO(K)FLUORANTHENE		1.04	U		0.971	U	
CHRYSENE		1.04	U		0.971	U	
DIBENZO(A,H)ANTHRACENE		1.04	U		0.971	U	
FLUORANTHENE		1.04	U		0.971	U	
FLUORENE		1.04	U		0.971	U	
INDENO(1,2,3-CD)PYRENE		1.04	U		0.971	U	
NAPHTHALENE		1.04	U		0.971	U	
PHENANTHRENE		1.04	U		0.971	U	
PYRENE		1.04	U		0.971	U	

PROJ_NO: 08005-WE15 SDG: SC38778 FRACTION: OVG MEDIA: WATER	NSAMPLE	TF1-DUP-02-083117			TF1-EBP-GT124R-083117			TF1-GT-110-083117			TF1-GT-112-090117		
	LAB_ID	SC38778-03			SC38778-01			SC38778-02			SC38778-09		
	SAMP_DATE	8/31/2017			8/31/2017			8/31/2017			9/1/2017		
	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-GT-110-083117											
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ETHANE		5	U		5	U		5	U		5	U	
METHANE		2.2	UJ	G	2.2	U		350	J	G	2.2	U	

PROJ_NO: 08005-WE15 SDG: SC38778 FRACTION: OVG MEDIA: WATER	NSAMPLE	TF1-GT-120-090117			TF1-GT-128-083117			TF1-GT-131-090117			TF1-GZ-114-083117		
	LAB_ID	SC38778-10			SC38778-04			SC38778-11			SC38778-05		
	SAMP_DATE	9/1/2017			8/31/2017			9/1/2017			8/31/2017		
	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												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ETHANE		5	U		5	U		5	U		5	U	
METHANE		410			16			2.2	U		114		

PROJ_NO: 08005-WE15 SDG: SC38778 FRACTION: OVG MEDIA: WATER	NSAMPLE	TF1-GZ-117-083117			TF1-RB-090117		
	LAB_ID	SC38778-06			SC38778-12		
	SAMP_DATE	8/31/2017			9/1/2017		
	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		33			2.2	U	

PROJ_NO: 08005-WE15 SDG: SC38778 FRACTION: PEST MEDIA: WATER	NSAMPLE	TF1-DUP-02-083117			TF1-EBP-GT124R-083117			TF1-GT-110-083117			TF1-GT-112-090117		
	LAB_ID	SC38778-03			SC38778-01			SC38778-02			SC38778-09		
	SAMP_DATE	8/31/2017			8/31/2017			8/31/2017			9/1/2017		
	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-GT-110-083117											
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
4,4'-DDD		0.02	U		0.019	U		0.02	U		0.02	U	
4,4'-DDE		0.02	U		0.019	U		0.02	U		0.02	U	
4,4'-DDT		0.029	U		0.028	U		0.03	U		0.03	U	
ALACHLOR		0.02	U		0.019	U		0.02	U		0.02	U	
ALDRIN		0.02	U		0.019	U		0.02	U		0.02	U	
ALPHA-BHC		0.02	U		0.019	U		0.02	U		0.02	U	
ALPHA-CHLORDANE		0.02	U		0.019	U		0.02	U		0.02	U	
BETA-BHC		0.02	U		0.019	U		0.02	U		0.02	U	
CHLORDANE		0.064	U		0.061	U		0.065	U		0.066	U	
DELTA-BHC		0.02	U		0.019	U		0.02	U		0.02	U	
DIELDRIN		0.02	U		0.019	U		0.02	U		0.02	U	
ENDOSULFAN I		0.02	U		0.019	U		0.02	U		0.02	U	
ENDOSULFAN II		0.02	U		0.019	U		0.02	U		0.02	U	
ENDOSULFAN SULFATE		0.02	U		0.019	U		0.02	U		0.02	U	
ENDRIN		0.02	U		0.019	U		0.02	U		0.02	U	
ENDRIN ALDEHYDE		0.02	U		0.019	U		0.02	U		0.02	U	
ENDRIN KETONE		0.02	U		0.019	U		0.02	U		0.02	U	
GAMMA-BHC (LINDANE)		0.02	U		0.019	U		0.02	U		0.02	U	
GAMMA-CHLORDANE		0.02	U		0.019	U		0.02	U		0.02	U	
HEPTACHLOR		0.02	U		0.019	U		0.02	U		0.02	U	
HEPTACHLOR EPOXIDE		0.02	U		0.019	U		0.02	U		0.02	U	
METHOXYCHLOR		0.02	U		0.019	U		0.02	U		0.02	U	
TOXAPHENE		0.49	U		0.472	U		0.5	U		0.505	U	

PROJ_NO: 08005-WE15 SDG: SC38778 FRACTION: PEST MEDIA: WATER	NSAMPLE	TF1-GT-120-090117			TF1-GT-128-083117			TF1-GT-131-090117			TF1-GZ-114-083117		
	LAB_ID	SC38778-10			SC38778-04			SC38778-11			SC38778-05		
	SAMP_DATE	9/1/2017			8/31/2017			9/1/2017			8/31/2017		
	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												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
4,4'-DDD		0.019	U		0.019	U		0.02	U		0.022	U	
4,4'-DDE		0.019	U		0.019	U		0.02	U		0.022	U	
4,4'-DDT		0.029	U		0.029	U		0.029	U		0.033	U	
ALACHLOR		0.019	U		0.019	U		0.02	U		0.022	U	
ALDRIN		0.019	U		0.019	U		0.02	U		0.022	U	
ALPHA-BHC		0.019	U		0.019	U		0.02	U		0.022	U	
ALPHA-CHLORDANE		0.019	U		0.019	U		0.02	U		0.022	U	
BETA-BHC		0.019	U		0.019	U		0.02	U		0.022	U	
CHLORDANE		0.063	U		0.063	U		0.064	U		0.071	U	
DELTA-BHC		0.019	U		0.019	U		0.02	U		0.022	U	
DIELDRIN		0.019	U		0.019	U		0.02	U		0.022	U	
ENDOSULFAN I		0.019	U		0.019	U		0.02	U		0.022	U	
ENDOSULFAN II		0.019	U		0.019	U		0.02	U		0.022	U	
ENDOSULFAN SULFATE		0.019	U		0.019	U		0.02	U		0.022	U	
ENDRIN		0.019	U		0.019	U		0.02	U		0.022	U	
ENDRIN ALDEHYDE		0.019	U		0.019	U		0.02	U		0.022	U	
ENDRIN KETONE		0.019	U		0.019	U		0.02	U		0.022	U	
GAMMA-BHC (LINDANE)		0.019	U		0.019	U		0.02	U		0.022	U	
GAMMA-CHLORDANE		0.019	U		0.019	U		0.02	U		0.022	U	
HEPTACHLOR		0.019	U		0.019	U		0.02	U		0.022	U	
HEPTACHLOR EPOXIDE		0.019	U		0.019	U		0.02	U		0.022	U	
METHOXYCHLOR		0.019	U		0.019	U		0.02	U		0.022	U	
TOXAPHENE		0.481	U		0.481	U		0.49	U		0.549	U	

PROJ_NO: 08005-WE15 SDG: SC38778 FRACTION: PEST MEDIA: WATER	NSAMPLE	TF1-GZ-117-083117			TF1-RB-090117		
	LAB_ID	SC38778-06			SC38778-12		
	SAMP_DATE	8/31/2017			9/1/2017		
	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		0.021	U		0.02	U	
4,4'-DDE		0.021	U		0.02	U	
4,4'-DDT		0.032	U		0.03	U	
ALACHLOR		0.021	U		0.02	U	
ALDRIN		0.021	U		0.02	U	
ALPHA-BHC		0.021	U		0.02	U	
ALPHA-CHLORDANE		0.021	U		0.02	U	
BETA-BHC		0.021	U		0.02	U	
CHLORDANE		0.068	U		0.065	U	
DELTA-BHC		0.021	U		0.02	U	
DIELDRIN		0.021	U		0.02	U	
ENDOSULFAN I		0.021	U		0.02	U	
ENDOSULFAN II		0.021	U		0.02	U	
ENDOSULFAN SULFATE		0.021	U		0.02	U	
ENDRIN		0.021	U		0.02	U	
ENDRIN ALDEHYDE		0.021	U		0.02	U	
ENDRIN KETONE		0.021	U		0.02	U	
GAMMA-BHC (LINDANE)		0.021	U		0.02	U	
GAMMA-CHLORDANE		0.021	U		0.02	U	
HEPTACHLOR		0.021	U		0.02	U	
HEPTACHLOR EPOXIDE		0.021	U		0.02	U	
METHOXYCHLOR		0.021	U		0.02	U	
TOXAPHENE		0.526	U		0.5	U	

PROJ_NO: 08005-WE15 SDG: SC38778 FRACTION: PCB MEDIA: WATER	NSAMPLE	TF1-DUP-02-083117			TF1-GT-110-083117		
	LAB_ID	SC38778-03			SC38778-02		
	SAMP_DATE	8/31/2017			8/31/2017		
	QC_TYPE	NM			NM		
	UNITS	UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0		
	DUP_OF	TF1-GT-110-083117					
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		0.196	U		0.196	U	
AROCLOR-1221		0.196	U		0.196	U	
AROCLOR-1232		0.196	U		0.196	U	
AROCLOR-1242		0.196	U		0.196	U	
AROCLOR-1248		0.196	U		0.196	U	
AROCLOR-1254		0.196	U		0.196	U	
AROCLOR-1260		0.196	U		0.196	U	
AROCLOR-1262		0.196	U		0.196	U	
AROCLOR-1268		0.196	U		0.196	U	

PROJ_NO: 08005-WE15 SDG: SC38778 FRACTION: PET MEDIA: WATER	NSAMPLE	TF1-DUP-02-083117			TF1-EBP-GT124R-083117			TF1-GT-110-083117			TF1-GT-112-090117		
	LAB_ID	SC38778-03			SC38778-01			SC38778-02			SC38778-09		
	SAMP_DATE	8/31/2017			8/31/2017			8/31/2017			9/1/2017		
	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-GT-110-083117											
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TPH (C08-C44)		0.44			0.1	U		0.31			1.3		

PROJ_NO: 08005-WE15 SDG: SC38778 FRACTION: PET MEDIA: WATER	NSAMPLE	TF1-GT-120-090117			TF1-GT-128-083117			TF1-GT-131-090117			TF1-GZ-114-083117		
	LAB_ID	SC38778-10			SC38778-04			SC38778-11			SC38778-05		
	SAMP_DATE	9/1/2017			8/31/2017			9/1/2017			8/31/2017		
	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
TPH (C08-C44)		0.42			7			0.31			0.1	J	P

PROJ_NO: 08005-WE15 SDG: SC38778 FRACTION: PET MEDIA: WATER	NSAMPLE	TF1-GZ-117-083117			TF1-RB-090117		
	LAB_ID	SC38778-06			SC38778-12		
	SAMP_DATE	8/31/2017			9/1/2017		
	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)		0.2	J	P	0.1	U	

PROJ_NO: 08005-WE15 SDG: SC38778 FRACTION: PFAS MEDIA: WATER	NSAMPLE	TF1-DUP-02-083117			TF1-EBP-GT124R-083117			TF1-FRB-083117			TF1-FRB-090117		
	LAB_ID	SC38778-03			SC38778-01			SC38778-07			SC38778-13		
	SAMP_DATE	8/31/2017			8/31/2017			8/31/2017			9/1/2017		
	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-GT-110-083117											
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
PENTADECAFLUOROOCTANOIC ACID		82			12	J+	B	4			1	J	P
PERFLUOROBUTANESULFONIC ACID		23			4			3	U		3	U	
PERFLUOROBUTANOIC ACID		45			6	J	P	10	U		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		29			8			2	U		2	U	
PERFLUOROHEXANESULFONIC ACID		95			19			3	U		3	U	
PERFLUOROHEXANOIC ACID		130			15			2	U		2	U	
PERFLUORONONANOIC ACID		2			2	U		2	U		2	U	
PERFLUOROOCTANE SULFONAMIDE		9	UJ	R	9	UJ	R	9	UJ	R	9	UJ	R
PERFLUOROOCTANE SULFONIC ACID		20	U	B	6	U		7			6	U	
PERFLUOROPENTANOIC ACID		100			16			2	U		2	U	
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: SC38778 FRACTION: PFAS MEDIA: WATER	NSAMPLE	TF1-GT-110-083117			TF1-GT-112-090117			TF1-GT-120-090117			TF1-GT-128-083117		
	LAB_ID	SC38778-02			SC38778-09			SC38778-10			SC38778-04		
	SAMP_DATE	8/31/2017			9/1/2017			9/1/2017			8/31/2017		
	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												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
PENTADECALUOROOCANOIC ACID		85			44			4			8	U	B
PERLUOROBUANESULFONIC ACID		23			74			3	U		3	U	
PERLUOROBUTANOIC ACID		45			10	U		10	U		10	U	
PERLUORODECANE SULFONIC ACID		6	U		6	U		6	U		6	U	
PERLUORODECANOIC ACID		2	U		2	U		2	U		2	U	
PERLUORODODECANOIC ACID		2	U		2	U		2	U		2	U	
PERLUOROHEPTANESULFONIC ACID		6	U		35			6	U		6	U	
PERLUOROHEPTANOIC ACID		27			17			2	U		6		
PERLUOROHXANESULFONIC ACID		98			720			3	U		13		
PERLUOROHXANOIC ACID		140			150			2	U		9		
PERLUORONONANOIC ACID		2	J	P	1	J	P	2	U		1	J	P
PERLUOROOCTANE SULFONAMIDE		9	UJ	R	9	UJ	R	9	UJ	R	9	UJ	R
PERLUOROOCTANE SULFONIC ACID		19	U	B	1400			3	J	P	3	U	B
PERLUOROPENTANOIC ACID		110			34			2	U		10		
PERLUOROTETRADECANOIC ACID		2	U		2	U		2	U		2	U	
PERLUOROTRIDECANOIC ACID		2	U		2	U		2	U		2	U	
PERLUOROUNDECANOIC ACID		3	U		3	U		3	U		3	U	

PROJ_NO: 08005-WE15 SDG: SC38778 FRACTION: PFAS MEDIA: WATER	NSAMPLE	TF1-GT-131-090117			TF1-GZ-114-083117			TF1-GZ-117-083117			TF1-RB-090117		
	LAB_ID	SC38778-11			SC38778-05			SC38778-06			SC38778-12		
	SAMP_DATE	9/1/2017			8/31/2017			8/31/2017			9/1/2017		
	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												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
PENTADECAFLUOROOCCTANOIC ACID		3			2 U	B		5 U	B		0.6 J	P	
PERFLUOROBUTANESULFONIC ACID		3 U			3 U			3 U			3 U		
PERFLUOROBUTANOIC ACID		10 U			10 U			10 U			10 U		
PERFLUORODECANE SULFONIC ACID		6 U			6 U			6 U			6 U		
PERFLUORODECANOIC ACID		2			0.6 J	P		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		2 J	P		0.9 J	P		1 J	P		2 U		
PERFLUOROHEXANESULFONIC ACID		3 J	P		3 U			2 J	P		3 U		
PERFLUOROHEXANOIC ACID		3			0.7 J	P		2			2 U		
PERFLUORONONANOIC ACID		2 U			0.8 J	P		2 U			2 U		
PERFLUOROOCTANE SULFONAMIDE		9 UJ	R		9 UR	R		9 UJ	R		9 UJ	R	
PERFLUOROOCTANE SULFONIC ACID		6 U			2 U	B		5 U	B		6 U		
PERFLUOROPENTANOIC ACID		3			2 U			2			2 U		
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: SC38778 FRACTION: M MEDIA: WATER	NSAMPLE	TF1-DUP-02-083117						TF1-DUP-02-083117-RE			TF1-EBP-GT124R-083117		
	LAB_ID	SC38778-03						SC38778-03			SC38778-01		
	SAMP_DATE	8/31/2017						8/31/2017			8/31/2017		
	QC_TYPE	NM						NM			NM		
	UNITS	MG/L						MG/L			MG/L		
	PCT_SOLIDS	0.0			199.0			0.0			0.0		
	DUP_OF	TF1-GT-110-083117			TF1-GT-110-083117			TF1-GT-110-083117					
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ALUMINUM		0.05	U								0.13		
ANTIMONY					0.001	U							
ARSENIC					0.0288								
BARIUM					0.0052								
BERYLLIUM					0.00025	U							
CADMIUM					0.0005	U							
CALCIUM		7.82									3.72		
CHROMIUM					0.002	U							
COBALT					0.0135								
COPPER					0.001	U							
IRON								14.3					
LEAD					0.00025	U							
MAGNESIUM		6.97									3.46		
MANGANESE					3.37								
MERCURY		0.0002	U								0.0002	U	
MOLYBDENUM					0.0005	U							
NICKEL					0.0102								
POTASSIUM		1.09									0.905	J	P
SELENIUM					0.001	U							
SILVER					0.00025	U							
SODIUM								16.8					
THALLIUM					0.00025	U							
VANADIUM					0.0005	U							
ZINC					0.008	J	P						

PROJ_NO: 08005-WE15 SDG: SC38778 FRACTION: M MEDIA: WATER	NSAMPLE	TF1-EBP-GT124R-083117			TF1-EBP-GT124R-083117-RE			TF1-GT-110-083117					
	LAB_ID	SC38778-01			SC38778-01			SC38778-02					
	SAMP_DATE	8/31/2017			8/31/2017			8/31/2017					
	QC_TYPE	NM			NM			NM					
	UNITS	MG/L			MG/L			MG/L					
	PCT_SOLIDS	199.0			0.0			0.0			199.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ALUMINUM								0.05	U				
ANTIMONY		0.001	U								0.001	U	
ARSENIC		0.002	U								0.0277		
BARIUM		0.0012	J	P							0.004		
BERYLLIUM		0.00025	U								0.00025	U	
CADMIUM		0.0005	U								0.0005	U	
CALCIUM								7.52					
CHROMIUM		0.002	U								0.002	U	
COBALT		0.0022									0.0138		
COPPER		0.00099	J	P							0.001	U	
IRON					0.527								
LEAD		0.00025	U								0.00025	U	
MAGNESIUM								6.89					
MANGANESE		0.123									3.34		
MERCURY								0.0002	U				
MOLYBDENUM		0.0005	U								0.0005	U	
NICKEL		0.0154									0.01		
POTASSIUM								1.09					
SELENIUM		0.001	U								0.001	U	
SILVER		0.00025	U								0.00025	U	
SODIUM					5.94								
THALLIUM		0.00025	U								0.00025	U	
VANADIUM		0.0005	U								0.0005	U	
ZINC		0.0087	J	P							0.0067	J	P

PROJ_NO: 08005-WE15 SDG: SC38778 FRACTION: M MEDIA: WATER	NSAMPLE	TF1-GT-110-083117-RE			TF1-GT-112-090117						TF1-GT-112-090117-RE		
	LAB_ID	SC38778-02			SC38778-09						SC38778-09		
	SAMP_DATE	8/31/2017			9/1/2017						9/1/2017		
	QC_TYPE	NM			NM						NM		
	UNITS	MG/L			MG/L						MG/L		
	PCT_SOLIDS	0.0			0.0		199.0				0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ALUMINUM					0.05	U							
ANTIMONY								0.001	U				
ARSENIC								0.0029	J	P			
BARIUM								0.0167					
BERYLLIUM								0.00025	U				
CADMIUM								0.0005	U				
CALCIUM					13.1								
CHROMIUM								0.002	U				
COBALT								0.0005	U				
COPPER								0.00093	J	P			
IRON		13.6									29.6		
LEAD								0.00025	U				
MAGNESIUM					2.71								
MANGANESE								3.26					
MERCURY					0.0002	U							
MOLYBDENUM								0.0005	U				
NICKEL								0.002	U				
POTASSIUM					1.98								
SELENIUM								0.001	U				
SILVER								0.00025	U				
SODIUM		16.2									6.43		
THALLIUM								0.00025	U				
VANADIUM								0.0005	U				
ZINC								0.0075	U				

PROJ_NO: 08005-WE15 SDG: SC38778 FRACTION: M MEDIA: WATER	NSAMPLE	TF1-GT-120-090117						TF1-GT-120-090117-RE			TF1-GT-128-083117		
	LAB_ID	SC38778-10						SC38778-10			SC38778-04		
	SAMP_DATE	9/1/2017						9/1/2017			8/31/2017		
	QC_TYPE	NM						NM			NM		
	UNITS	MG/L						MG/L			MG/L		
	PCT_SOLIDS	0.0		199.0		0.0		0.0					
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ALUMINUM		0.05	U								0.091		
ANTIMONY					0.001	U							
ARSENIC					0.0048								
BARIUM					0.0172								
BERYLLIUM					0.00025	U							
CADMIUM					0.0005	U							
CALCIUM		60.2									18.6		
CHROMIUM					0.002	U							
COBALT					0.0128								
COPPER					0.0028	J	P						
IRON								18					
LEAD					0.0013	J	P						
MAGNESIUM		1.64									4.66		
MANGANESE					2.8								
MERCURY		0.0002	U								0.0002	U	
MOLYBDENUM					0.00097	J	P						
NICKEL					0.0011	J	P						
POTASSIUM		2.47									2.65		
SELENIUM					0.001	U							
SILVER					0.00025	U							
SODIUM								4.28					
THALLIUM					0.00025	U							
VANADIUM					0.0005	U							
ZINC					0.0331								

PROJ_NO: 08005-WE15 SDG: SC38778 FRACTION: M MEDIA: WATER	NSAMPLE	TF1-GT-128-083117			TF1-GT-128-083117-RE			TF1-GT-131-090117					
	LAB_ID	SC38778-04			SC38778-04			SC38778-11					
	SAMP_DATE	8/31/2017			8/31/2017			9/1/2017					
	QC_TYPE	NM			NM			NM					
	UNITS	MG/L			MG/L			MG/L					
	PCT_SOLIDS	199.0			0.0			0.0			199.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ALUMINUM								0.023	J	P			
ANTIMONY		0.001	U								0.001	U	
ARSENIC		0.139									0.0219		
BARIUM		0.0167									0.0084		
BERYLLIUM		0.00025	U								0.00025	U	
CADMIUM		0.0005	U								0.0005	U	
CALCIUM								7.94					
CHROMIUM		0.002	U								0.002	U	
COBALT		0.0228									0.0051		
COPPER		0.002	J	P							0.0016	J	P
IRON					59.1								
LEAD		0.00084	J	P							0.00052	J	P
MAGNESIUM								2.25					
MANGANESE		3.1									1.47		
MERCURY								0.0002	U				
MOLYBDENUM		0.0012									0.0004	J	P
NICKEL		0.0124									0.002	U	
POTASSIUM								2.15					
SELENIUM		0.001	U								0.001	U	
SILVER		0.00025	U								0.00025	U	
SODIUM					5.17								
THALLIUM		0.00025	U								0.00025	U	
VANADIUM		0.00042	J	P							0.0005	U	
ZINC		0.0165	J	P							0.0075	U	

PROJ_NO: 08005-WE15 SDG: SC38778 FRACTION: M MEDIA: WATER	NSAMPLE	TF1-GT-131-090117-RE			TF1-GZ-114-083117						TF1-GZ-114-083117-RE		
	LAB_ID	SC38778-11			SC38778-05						SC38778-05		
	SAMP_DATE	9/1/2017			8/31/2017						8/31/2017		
	QC_TYPE	NM			NM						NM		
	UNITS	MG/L			MG/L						MG/L		
	PCT_SOLIDS	0.0			0.0		199.0				0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ALUMINUM					0.185								
ANTIMONY								0.001	U				
ARSENIC								0.004	J	P			
BARIUM								0.0155					
BERYLLIUM								0.00025	U				
CADMIUM								0.0005	U				
CALCIUM					9.34								
CHROMIUM								0.002	U				
COBALT								0.0281					
COPPER								0.0019	J	P			
IRON		22.2									18.7		
LEAD								0.00022	J	P			
MAGNESIUM					2.17								
MANGANESE								2.4					
MERCURY					0.0002	U							
MOLYBDENUM								0.00025	J	P			
NICKEL								0.0074					
POTASSIUM					3.19								
SELENIUM								0.001	U				
SILVER								0.00025	U				
SODIUM		4.41									2.16		
THALLIUM								0.00025	U				
VANADIUM								0.00033	J	P			
ZINC								0.0187	J	P			

PROJ_NO: 08005-WE15 SDG: SC38778 FRACTION: M MEDIA: WATER	NSAMPLE	TF1-GZ-117-083117						TF1-GZ-117-083117-DL			TF1-GZ-117-083117-RE		
	LAB_ID	SC38778-06						SC38778-06			SC38778-06		
	SAMP_DATE	8/31/2017						8/31/2017			8/31/2017		
	QC_TYPE	NM						NM			NM		
	UNITS	MG/L						MG/L			MG/L		
	PCT_SOLIDS	0.0		199.0		199.0		0.0					
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ALUMINUM		0.05	U										
ANTIMONY					0.001	U							
ARSENIC					0.136								
BARIUM					0.019								
BERYLLIUM					0.00025	U							
CADMIUM					0.0005	U							
CALCIUM		13.7											
CHROMIUM					0.002	U							
COBALT					0.0734								
COPPER					0.001	U							
IRON											16.4		
LEAD					0.00025	U							
MAGNESIUM		5.28											
MANGANESE								12.9					
MERCURY		0.0002	U										
MOLYBDENUM					0.0037								
NICKEL					0.0173								
POTASSIUM		1.06											
SELENIUM					0.001	U							
SILVER					0.00025	U							
SODIUM											6.05		
THALLIUM					0.00025	U							
VANADIUM					0.0005	U							
ZINC					0.0075	U							

PROJ_NO: 08005-WE15 SDG: SC38778 FRACTION: M MEDIA: WATER	NSAMPLE	TF1-RB-090117						TF1-RB-090117-RE		
	LAB_ID	SC38778-12						SC38778-12		
	SAMP_DATE	9/1/2017						9/1/2017		
	QC_TYPE	NM						NM		
	UNITS	MG/L						MG/L		
	PCT_SOLIDS	0.0		199.0		0.0				
	DUP_OF									
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ALUMINUM		0.05	U							
ANTIMONY					0.001	U				
ARSENIC					0.002	U				
BARIUM					0.002	U				
BERYLLIUM					0.00025	U				
CADMIUM					0.0005	U				
CALCIUM		0.0409	J	P						
CHROMIUM					0.002	U				
COBALT					0.0005	U				
COPPER					0.001	U				
IRON								0.03	U	
LEAD					0.00025	U				
MAGNESIUM		0.01	U							
MANGANESE					0.002	U				
MERCURY		0.0002	U							
MOLYBDENUM					0.0005	U				
NICKEL					0.002	U				
POTASSIUM		0.25	U							
SELENIUM					0.001	U				
SILVER					0.00025	U				
SODIUM								0.25	U	
THALLIUM					0.00025	U				
VANADIUM					0.0005	U				
ZINC					0.0075	U				

PROJ_NO: 08005-WE15 SDG: SC38778 FRACTION: MISC MEDIA: WATER	NSAMPLE	TF1-DUP-02-083117			TF1-EBP-GT124R-083117			TF1-GT-110-083117			TF1-GT-112-090117		
	LAB_ID	SC38778-03			SC38778-01			SC38778-02			SC38778-09		
	SAMP_DATE	8/31/2017			8/31/2017			8/31/2017			9/1/2017		
	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-GT-110-083117											
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
ALKALINITY		47.9	J	F	2.98	J	F	41.8	J	F	63.2	J	F
BIOCHEMICAL OXYGEN DEMAND		8			2.97	U		7			7		
CHLORIDE		31.4			9.69			33.1			7.52		
NITRATE-N		0.1	U		0.208			0.016	J	P	0.1	U	
SULFATE		3.03			14.6			3.61			1.44		
TOTAL ORGANIC CARBON		2.24			0.72	J	P	2.26			5.64		

PROJ_NO: 08005-WE15 SDG: SC38778 FRACTION: MISC MEDIA: WATER	NSAMPLE	TF1-GT-120-090117			TF1-GT-128-083117			TF1-GT-131-090117			TF1-GZ-114-083117		
	LAB_ID	SC38778-10			SC38778-04			SC38778-11			SC38778-05		
	SAMP_DATE	9/1/2017			8/31/2017			9/1/2017			8/31/2017		
	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		171	J	F	1.5	UJ	F	36.9	J	F	36.1	J	F
BIOCHEMICAL OXYGEN DEMAND		38			57			26			34		
CHLORIDE		5.21			6.03			6.56			3.44		
NITRATE-N		0.1	U		0.1	U		0.1	U		0.1	U	
SULFATE		2.64			81.3			2.99			22.6		
TOTAL ORGANIC CARBON		4.25			12.2			1.33			2.07		

PROJ_NO: 08005-WE15 SDG: SC38778 FRACTION: MISC MEDIA: WATER	NSAMPLE	TF1-GZ-117-083117			TF1-RB-090117		
	LAB_ID	SC38778-06			SC38778-12		
	SAMP_DATE	8/31/2017			9/1/2017		
	QC_TYPE	NM			NM		
	UNITS	MG/L			MG/L		
	PCT_SOLIDS	0.0			0.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
ALKALINITY		83.6	J	F	4.74	J	F
BIOCHEMICAL OXYGEN DEMAND		115			2.97	U	
CHLORIDE		9.81			0.1	U	
NITRATE-N		0.1	U		0.1	U	
SULFATE		3.14			1	U	
TOTAL ORGANIC CARBON		1.08			0.35	J	P

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

TF1-EBP-GT124R-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-01 File ID: 3877801.D
 Sampled: 08/31/17 16:22 Prepared: 09/11/17 08:41 Analyzed: 09/11/17 12:32
 % Solids: Preparation: SW846 5030 Water MS Initial/Final: 5 ml / 5 ml
 Batch: 1715452 Sequence: S708033 Calibration: 1709004 Instrument: HPV3
 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	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-EBP-GT124R-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-01 File ID: 3877801.D
 Sampled: 08/31/17 16:22 Prepared: 09/11/17 08:41 Analyzed: 09/11/17 12:32
 % Solids: Preparation: SW846 5030 Water MS Initial/Final: 5 ml / 5 ml
 Batch: 1715452 Sequence: S708033 Calibration: 1709004 Instrument: HPV3
 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-110-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-02 File ID: 3877802.D
 Sampled: 08/31/17 10:56 Prepared: 09/11/17 08:41 Analyzed: 09/11/17 13:01
 % Solids: Preparation: SW846 5030 Water MS Initial/Final: 5 ml / 5 ml
 Batch: 1715452 Sequence: S708033 Calibration: 1709004 Instrument: HPV3
 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	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-110-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-02 File ID: 3877802.D
 Sampled: 08/31/17 10:56 Prepared: 09/11/17 08:41 Analyzed: 09/11/17 13:01
 % Solids: Preparation: SW846 5030 Water MS Initial/Final: 5 ml / 5 ml
 Batch: 1715452 Sequence: S708033 Calibration: 1709004 Instrument: HPV3
 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-DUP-02-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-03 File ID: 3877803.D
 Sampled: 08/31/17 00:00 Prepared: 09/11/17 08:41 Analyzed: 09/11/17 13:30
 % Solids: Preparation: SW846 5030 Water MS Initial/Final: 5 ml / 5 ml
 Batch: 1715452 Sequence: S708033 Calibration: 1709004 Instrument: HPV3
 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	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-DUP-02-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-03 File ID: 3877803.D
 Sampled: 08/31/17 00:00 Prepared: 09/11/17 08:41 Analyzed: 09/11/17 13:30
 % Solids: Preparation: SW846 5030 Water MS Initial/Final: 5 ml / 5 ml
 Batch: 1715452 Sequence: S708033 Calibration: 1709004 Instrument: HPV3
 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-128-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-04 File ID: 3877804.D
 Sampled: 08/31/17 14:40 Prepared: 09/11/17 08:41 Analyzed: 09/11/17 13:59
 % Solids: Preparation: SW846 5030 Water MS Initial/Final: 5 ml / 5 ml
 Batch: 1715452 Sequence: S708033 Calibration: 1709004 Instrument: HPV3
 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	0.5	J	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	8.0		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-128-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-04 File ID: 3877804.D
 Sampled: 08/31/17 14:40 Prepared: 09/11/17 08:41 Analyzed: 09/11/17 13:59
 % Solids: Preparation: SW846 5030 Water MS Initial/Final: 5 ml / 5 ml
 Batch: 1715452 Sequence: S708033 Calibration: 1709004 Instrument: HPV3
 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	1.3	J	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	1.8	J	0.7	2.0	5.0

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

TF1-GZ-114-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-05 File ID: 3877805.D
 Sampled: 08/31/17 09:15 Prepared: 09/11/17 08:41 Analyzed: 09/11/17 14:28
 % Solids: Preparation: SW846 5030 Water MS Initial/Final: 5 ml / 5 ml
 Batch: 1715452 Sequence: S708033 Calibration: 1709004 Instrument: HPV3
 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	1.8	J	0.8	2.0	10.0
71-43-2	Benzene	1	0.6	J	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	0.4	J	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	5.2		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	1.5		0.3	1.0	1.0

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

TF1-GZ-114-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-05 File ID: 3877805.D
 Sampled: 08/31/17 09:15 Prepared: 09/11/17 08:41 Analyzed: 09/11/17 14:28
 % Solids: Preparation: SW846 5030 Water MS Initial/Final: 5 ml / 5 ml
 Batch: 1715452 Sequence: S708033 Calibration: 1709004 Instrument: HPV3
 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-GZ-117-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-06 File ID: 3877806.D
 Sampled: 08/31/17 15:05 Prepared: 09/11/17 08:41 Analyzed: 09/11/17 14:57
 % Solids: Preparation: SW846 5030 Water MS Initial/Final: 5 ml / 5 ml
 Batch: 1715452 Sequence: S708033 Calibration: 1709004 Instrument: HPV3
 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	1.8		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	1.7		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	2.7		0.4	1.0	1.0
1634-04-4	Methyl tert-butyl ether	1	1.8		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	1,1,2,2-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	0.4	J	0.3	1.0	1.0

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

TF1-GZ-117-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-06 File ID: 3877806.D
 Sampled: 08/31/17 15:05 Prepared: 09/11/17 08:41 Analyzed: 09/11/17 14:57
 % Solids: Preparation: SW846 5030 Water MS Initial/Final: 5 ml / 5 ml
 Batch: 1715452 Sequence: S708033 Calibration: 1709004 Instrument: HPV3
 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	3.3		0.4	1.0	2.0
95-47-6	o-Xylene	1	0.4	J	0.3	1.0	1.0
110-82-7	Cyclohexane	1	5.6		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	1.9	J	0.7	2.0	5.0

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

TF1-TB-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: QC Laboratory ID: SC38778-08 File ID: 3877808.D
 Sampled: 08/31/17 08:00 Prepared: 09/11/17 08:41 Analyzed: 09/11/17 15:26
 % Solids: Preparation: SW846 5030 Water MS Initial/Final: 5 ml / 5 ml
 Batch: 1715452 Sequence: S708033 Calibration: 1709004 Instrument: HPV3
 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	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-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: QC Laboratory ID: SC38778-08 File ID: 3877808.D
 Sampled: 08/31/17 08:00 Prepared: 09/11/17 08:41 Analyzed: 09/11/17 15:26
 % Solids: Preparation: SW846 5030 Water MS Initial/Final: 5 ml / 5 ml
 Batch: 1715452 Sequence: S708033 Calibration: 1709004 Instrument: HPV3
 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-112-090117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-09 File ID: 3877809.D
 Sampled: 09/01/17 09:00 Prepared: 09/11/17 08:41 Analyzed: 09/11/17 15:55
 % Solids: Preparation: SW846 5030 Water MS Initial/Final: 5 ml / 5 ml
 Batch: 1715452 Sequence: S708033 Calibration: 1709004 Instrument: HPV3
 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	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-112-090117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-09 File ID: 3877809.D
 Sampled: 09/01/17 09:00 Prepared: 09/11/17 08:41 Analyzed: 09/11/17 15:55
 % Solids: Preparation: SW846 5030 Water MS Initial/Final: 5 ml / 5 ml
 Batch: 1715452 Sequence: S708033 Calibration: 1709004 Instrument: HPV3
 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-120-090117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-10 File ID: 3877810.D
 Sampled: 09/01/17 09:07 Prepared: 09/11/17 08:41 Analyzed: 09/11/17 16:24
 % Solids: Preparation: SW846 5030 Water MS Initial/Final: 5 ml / 5 ml
 Batch: 1715452 Sequence: S708033 Calibration: 1709004 Instrument: HPV3
 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	1.1		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	6.8		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	2.8		0.4	1.0	1.0
1634-04-4	Methyl tert-butyl ether	1	1.3		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-120-090117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-10 File ID: 3877810.D
 Sampled: 09/01/17 09:07 Prepared: 09/11/17 08:41 Analyzed: 09/11/17 16:24
 % Solids: Preparation: SW846 5030 Water MS Initial/Final: 5 ml / 5 ml
 Batch: 1715452 Sequence: S708033 Calibration: 1709004 Instrument: HPV3
 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	0.8	J	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-131-090117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-11 File ID: 3877811.D
 Sampled: 09/01/17 09:03 Prepared: 09/11/17 08:41 Analyzed: 09/11/17 16:53
 % Solids: Preparation: SW846 5030 Water MS Initial/Final: 5 ml / 5 ml
 Batch: 1715452 Sequence: S708033 Calibration: 1709004 Instrument: HPV3
 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	1.1		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-131-090117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-11 File ID: 3877811.D
 Sampled: 09/01/17 09:03 Prepared: 09/11/17 08:41 Analyzed: 09/11/17 16:53
 % Solids: Preparation: SW846 5030 Water MS Initial/Final: 5 ml / 5 ml
 Batch: 1715452 Sequence: S708033 Calibration: 1709004 Instrument: HPV3
 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-RB-090117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: QC Laboratory ID: SC38778-12 File ID: 3877812.D
 Sampled: 09/01/17 10:00 Prepared: 09/11/17 08:41 Analyzed: 09/11/17 17:22
 % Solids: Preparation: SW846 5030 Water MS Initial/Final: 5 ml / 5 ml
 Batch: 1715452 Sequence: S708033 Calibration: 1709004 Instrument: HPV3
 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	3.7	J	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-RB-090117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: QC Laboratory ID: SC38778-12 File ID: 3877812.D
 Sampled: 09/01/17 10:00 Prepared: 09/11/17 08:41 Analyzed: 09/11/17 17:22
 % Solids: Preparation: SW846 5030 Water MS Initial/Final: 5 ml / 5 ml
 Batch: 1715452 Sequence: S708033 Calibration: 1709004 Instrument: HPV3
 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-EBP-GT124R-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-01 File ID: C3877801.D
 Sampled: 08/31/17 16:22 Prepared: 09/07/17 15:00 Analyzed: 09/16/17 16:07
 % Solids: Preparation: SW846 3510C Initial/Final: 1040 ml / 1 ml
 Batch: 1715314 Sequence: S708252 Calibration: 1708113 Instrument: HPS4
 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-GT-110-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-02 File ID: C3877802.D
 Sampled: 08/31/17 10:56 Prepared: 09/07/17 15:00 Analyzed: 09/16/17 16:36
 % Solids: Preparation: SW846 3510C Initial/Final: 1030 ml / 1 ml
 Batch: 1715314 Sequence: S708252 Calibration: 1708113 Instrument: HPS4
 Reported to: LOD

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
83-32-9	Acenaphthene	1	0.971	U	0.671	0.971	4.85
208-96-8	Acenaphthylene	1	0.971	U	0.663	0.971	4.85
120-12-7	Anthracene	1	0.971	U	0.590	0.971	4.85
56-55-3	Benzo (a) anthracene	1	0.971	U	0.520	0.971	4.85
50-32-8	Benzo (a) pyrene	1	0.971	U	0.546	0.971	4.85
205-99-2	Benzo (b) fluoranthene	1	0.971	U	0.424	0.971	4.85
191-24-2	Benzo (g,h,i) perylene	1	0.971	U	0.515	0.971	4.85
207-08-9	Benzo (k) fluoranthene	1	0.971	U	0.466	0.971	4.85
218-01-9	Chrysene	1	0.971	U	0.517	0.971	4.85
53-70-3	Dibenzo (a,h) anthracene	1	0.971	U	0.437	0.971	4.85
206-44-0	Fluoranthene	1	0.971	U	0.619	0.971	4.85
86-73-7	Fluorene	1	0.971	U	0.594	0.971	4.85
193-39-5	Indeno (1,2,3-cd) pyrene	1	0.971	U	0.563	0.971	4.85
90-12-0	1-Methylnaphthalene	1	0.971	U	0.712	0.971	4.85
91-57-6	2-Methylnaphthalene	1	0.971	U	0.557	0.971	4.85
91-20-3	Naphthalene	1	0.971	U	0.665	0.971	4.85
85-01-8	Phenanthrene	1	0.971	U	0.569	0.971	4.85
129-00-0	Pyrene	1	0.971	U	0.592	0.971	4.85

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

TF1-DUP-02-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-03 File ID: C3877803.D
 Sampled: 08/31/17 00:00 Prepared: 09/07/17 15:00 Analyzed: 09/16/17 17:04
 % Solids: Preparation: SW846 3510C Initial/Final: 1030 ml / 1 ml
 Batch: 1715314 Sequence: S708252 Calibration: 1708113 Instrument: HPS4
 Reported to: LOD

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
83-32-9	Acenaphthene	1	0.971	U	0.671	0.971	4.85
208-96-8	Acenaphthylene	1	0.971	U	0.663	0.971	4.85
120-12-7	Anthracene	1	0.971	U	0.590	0.971	4.85
56-55-3	Benzo (a) anthracene	1	0.971	U	0.520	0.971	4.85
50-32-8	Benzo (a) pyrene	1	0.971	U	0.546	0.971	4.85
205-99-2	Benzo (b) fluoranthene	1	0.971	U	0.424	0.971	4.85
191-24-2	Benzo (g,h,i) perylene	1	0.971	U	0.515	0.971	4.85
207-08-9	Benzo (k) fluoranthene	1	0.971	U	0.466	0.971	4.85
218-01-9	Chrysene	1	0.971	U	0.517	0.971	4.85
53-70-3	Dibenzo (a,h) anthracene	1	0.971	U	0.437	0.971	4.85
206-44-0	Fluoranthene	1	0.971	U	0.619	0.971	4.85
86-73-7	Fluorene	1	0.971	U	0.594	0.971	4.85
193-39-5	Indeno (1,2,3-cd) pyrene	1	0.971	U	0.563	0.971	4.85
90-12-0	1-Methylnaphthalene	1	0.971	U	0.712	0.971	4.85
91-57-6	2-Methylnaphthalene	1	0.971	U	0.557	0.971	4.85
91-20-3	Naphthalene	1	0.971	U	0.665	0.971	4.85
85-01-8	Phenanthrene	1	0.971	U	0.569	0.971	4.85
129-00-0	Pyrene	1	0.971	U	0.592	0.971	4.85

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

TF1-GT-128-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-04 File ID: C3877804.D
 Sampled: 08/31/17 14:40 Prepared: 09/07/17 15:00 Analyzed: 09/16/17 17:33
 % Solids: Preparation: SW846 3510C Initial/Final: 1040 ml / 1 ml
 Batch: 1715314 Sequence: S708252 Calibration: 1708113 Instrument: HPS4
 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-GZ-114-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-05 File ID: C3877805.D
 Sampled: 08/31/17 09:15 Prepared: 09/07/17 15:00 Analyzed: 09/16/17 18:01
 % Solids: Preparation: SW846 3510C Initial/Final: 850 ml / 1 ml
 Batch: 1715314 Sequence: S708252 Calibration: 1708113 Instrument: HPS4
 Reported to: LOD

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
83-32-9	Acenaphthene	1	1.18	U	0.813	1.18	5.88
208-96-8	Acenaphthylene	1	1.18	U	0.804	1.18	5.88
120-12-7	Anthracene	1	1.18	U	0.715	1.18	5.88
56-55-3	Benzo (a) anthracene	1	1.18	U	0.631	1.18	5.88
50-32-8	Benzo (a) pyrene	1	1.18	U	0.661	1.18	5.88
205-99-2	Benzo (b) fluoranthene	1	1.18	U	0.514	1.18	5.88
191-24-2	Benzo (g,h,i) perylene	1	1.18	U	0.624	1.18	5.88
207-08-9	Benzo (k) fluoranthene	1	1.18	U	0.565	1.18	5.88
218-01-9	Chrysene	1	1.18	U	0.626	1.18	5.88
53-70-3	Dibenzo (a,h) anthracene	1	1.18	U	0.529	1.18	5.88
206-44-0	Fluoranthene	1	1.18	U	0.751	1.18	5.88
86-73-7	Fluorene	1	1.18	U	0.720	1.18	5.88
193-39-5	Indeno (1,2,3-cd) pyrene	1	1.18	U	0.682	1.18	5.88
90-12-0	1-Methylnaphthalene	1	1.18	U	0.862	1.18	5.88
91-57-6	2-Methylnaphthalene	1	1.18	U	0.675	1.18	5.88
91-20-3	Naphthalene	1	1.18	U	0.806	1.18	5.88
85-01-8	Phenanthrene	1	1.18	U	0.689	1.18	5.88
129-00-0	Pyrene	1	1.18	U	0.718	1.18	5.88

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

TF1-GZ-117-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-06 File ID: C3877806.D
 Sampled: 08/31/17 15:05 Prepared: 09/07/17 15:00 Analyzed: 09/16/17 18:29
 % Solids: Preparation: SW846 3510C Initial/Final: 960 ml / 1 ml
 Batch: 1715314 Sequence: S708252 Calibration: 1708113 Instrument: HPS4
 Reported to: LOD

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
83-32-9	Acenaphthene	1	1.04	U	0.720	1.04	5.21
208-96-8	Acenaphthylene	1	1.04	U	0.711	1.04	5.21
120-12-7	Anthracene	1	1.04	U	0.633	1.04	5.21
56-55-3	Benzo (a) anthracene	1	1.04	U	0.558	1.04	5.21
50-32-8	Benzo (a) pyrene	1	1.04	U	0.585	1.04	5.21
205-99-2	Benzo (b) fluoranthene	1	1.04	U	0.455	1.04	5.21
191-24-2	Benzo (g,h,i) perylene	1	1.04	U	0.552	1.04	5.21
207-08-9	Benzo (k) fluoranthene	1	1.04	U	0.500	1.04	5.21
218-01-9	Chrysene	1	1.04	U	0.554	1.04	5.21
53-70-3	Dibenzo (a,h) anthracene	1	1.04	U	0.469	1.04	5.21
206-44-0	Fluoranthene	1	1.04	U	0.665	1.04	5.21
86-73-7	Fluorene	1	1.04	U	0.638	1.04	5.21
193-39-5	Indeno (1,2,3-cd) pyrene	1	1.04	U	0.604	1.04	5.21
90-12-0	1-Methylnaphthalene	1	1.04	U	0.764	1.04	5.21
91-57-6	2-Methylnaphthalene	1	1.04	U	0.598	1.04	5.21
91-20-3	Naphthalene	1	1.04	U	0.714	1.04	5.21
85-01-8	Phenanthrene	1	1.04	U	0.610	1.04	5.21
129-00-0	Pyrene	1	1.04	U	0.635	1.04	5.21

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

TF1-GT-112-090117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-09 File ID: C3877809.D
 Sampled: 09/01/17 09:00 Prepared: 09/07/17 15:00 Analyzed: 09/16/17 18:58
 % Solids: Preparation: SW846 3510C Initial/Final: 980 ml / 1 ml
 Batch: 1715314 Sequence: S708252 Calibration: 1708113 Instrument: HPS4
 Reported to: LOD

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-120-090117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-10 File ID: C3877810.D
 Sampled: 09/01/17 09:07 Prepared: 09/07/17 15:00 Analyzed: 09/16/17 19:26
 % Solids: Preparation: SW846 3510C Initial/Final: 1030 ml / 1 ml
 Batch: 1715314 Sequence: S708252 Calibration: 1708113 Instrument: HPS4
 Reported to: LOD

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
83-32-9	Acenaphthene	1	0.971	U	0.671	0.971	4.85
208-96-8	Acenaphthylene	1	0.971	U	0.663	0.971	4.85
120-12-7	Anthracene	1	0.971	U	0.590	0.971	4.85
56-55-3	Benzo (a) anthracene	1	0.971	U	0.520	0.971	4.85
50-32-8	Benzo (a) pyrene	1	0.971	U	0.546	0.971	4.85
205-99-2	Benzo (b) fluoranthene	1	0.971	U	0.424	0.971	4.85
191-24-2	Benzo (g,h,i) perylene	1	0.971	U	0.515	0.971	4.85
207-08-9	Benzo (k) fluoranthene	1	0.971	U	0.466	0.971	4.85
218-01-9	Chrysene	1	0.971	U	0.517	0.971	4.85
53-70-3	Dibenzo (a,h) anthracene	1	0.971	U	0.437	0.971	4.85
206-44-0	Fluoranthene	1	0.971	U	0.619	0.971	4.85
86-73-7	Fluorene	1	0.971	U	0.594	0.971	4.85
193-39-5	Indeno (1,2,3-cd) pyrene	1	0.971	U	0.563	0.971	4.85
90-12-0	1-Methylnaphthalene	1	0.971	U	0.712	0.971	4.85
91-57-6	2-Methylnaphthalene	1	0.971	U	0.557	0.971	4.85
91-20-3	Naphthalene	1	0.971	U	0.665	0.971	4.85
85-01-8	Phenanthrene	1	0.971	U	0.569	0.971	4.85
129-00-0	Pyrene	1	0.971	U	0.592	0.971	4.85

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

TF1-GT-131-090117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-11 File ID: C3877811.D
 Sampled: 09/01/17 09:03 Prepared: 09/07/17 15:00 Analyzed: 09/16/17 20:23
 % Solids: Preparation: SW846 3510C Initial/Final: 1030 ml / 1 ml
 Batch: 1715314 Sequence: S708252 Calibration: 1708113 Instrument: HPS4
 Reported to: LOD

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
83-32-9	Acenaphthene	1	0.971	U	0.671	0.971	4.85
208-96-8	Acenaphthylene	1	0.971	U	0.663	0.971	4.85
120-12-7	Anthracene	1	0.971	U	0.590	0.971	4.85
56-55-3	Benzo (a) anthracene	1	0.971	U	0.520	0.971	4.85
50-32-8	Benzo (a) pyrene	1	0.971	U	0.546	0.971	4.85
205-99-2	Benzo (b) fluoranthene	1	0.971	U	0.424	0.971	4.85
191-24-2	Benzo (g,h,i) perylene	1	0.971	U	0.515	0.971	4.85
207-08-9	Benzo (k) fluoranthene	1	0.971	U	0.466	0.971	4.85
218-01-9	Chrysene	1	0.971	U	0.517	0.971	4.85
53-70-3	Dibenzo (a,h) anthracene	1	0.971	U	0.437	0.971	4.85
206-44-0	Fluoranthene	1	0.971	U	0.619	0.971	4.85
86-73-7	Fluorene	1	0.971	U	0.594	0.971	4.85
193-39-5	Indeno (1,2,3-cd) pyrene	1	0.971	U	0.563	0.971	4.85
90-12-0	1-Methylnaphthalene	1	0.971	U	0.712	0.971	4.85
91-57-6	2-Methylnaphthalene	1	0.971	U	0.557	0.971	4.85
91-20-3	Naphthalene	1	0.971	U	0.665	0.971	4.85
85-01-8	Phenanthrene	1	0.971	U	0.569	0.971	4.85
129-00-0	Pyrene	1	0.971	U	0.592	0.971	4.85

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

TF1-RB-090117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: QC Laboratory ID: SC38778-12 File ID: C3877812.D
 Sampled: 09/01/17 10:00 Prepared: 09/07/17 15:00 Analyzed: 09/16/17 20:51
 % Solids: Preparation: SW846 3510C Initial/Final: 1030 ml / 1 ml
 Batch: 1715314 Sequence: S708252 Calibration: 1708113 Instrument: HPS4
 Reported to: LOD

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
83-32-9	Acenaphthene	1	0.971	U	0.671	0.971	4.85
208-96-8	Acenaphthylene	1	0.971	U	0.663	0.971	4.85
120-12-7	Anthracene	1	0.971	U	0.590	0.971	4.85
56-55-3	Benzo (a) anthracene	1	0.971	U	0.520	0.971	4.85
50-32-8	Benzo (a) pyrene	1	0.971	U	0.546	0.971	4.85
205-99-2	Benzo (b) fluoranthene	1	0.971	U	0.424	0.971	4.85
191-24-2	Benzo (g,h,i) perylene	1	0.971	U	0.515	0.971	4.85
207-08-9	Benzo (k) fluoranthene	1	0.971	U	0.466	0.971	4.85
218-01-9	Chrysene	1	0.971	U	0.517	0.971	4.85
53-70-3	Dibenzo (a,h) anthracene	1	0.971	U	0.437	0.971	4.85
206-44-0	Fluoranthene	1	0.971	U	0.619	0.971	4.85
86-73-7	Fluorene	1	0.971	U	0.594	0.971	4.85
193-39-5	Indeno (1,2,3-cd) pyrene	1	0.971	U	0.563	0.971	4.85
90-12-0	1-Methylnaphthalene	1	0.971	U	0.712	0.971	4.85
91-57-6	2-Methylnaphthalene	1	0.971	U	0.557	0.971	4.85
91-20-3	Naphthalene	1	0.971	U	0.665	0.971	4.85
85-01-8	Phenanthrene	1	0.971	U	0.569	0.971	4.85
129-00-0	Pyrene	1	0.971	U	0.592	0.971	4.85

FORM I - ANALYSIS DATA SHEET**SW846 8082A****TF1-GT-110-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-02 File ID: 3877802.D
Sampled: 08/31/17 10:56 Prepared: 09/01/17 19:00 Analyzed: 09/08/17 19:36
% Solids: Preparation: SW846 3510C Initial/Final: 1020 ml / 10 ml
Batch: 1715132 Sequence: S708102 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	0.196	U	0.102	0.196	0.196
11104-28-2	Aroclor-1221	1	0.196	U	0.113	0.196	0.196
11141-16-5	Aroclor-1232	1	0.196	U	0.109	0.196	0.196
53469-21-9	Aroclor-1242	1	0.196	U	0.105	0.196	0.196
12672-29-6	Aroclor-1248	1	0.196	U	0.133	0.196	0.196
11097-69-1	Aroclor-1254	1	0.196	U	0.114	0.196	0.196
11096-82-5	Aroclor-1260	1	0.196	U	0.0834	0.196	0.196
37324-23-5	Aroclor-1262	1	0.196	U	0.0878	0.196	0.196
11100-14-4	Aroclor-1268	1	0.196	U	0.0897	0.196	0.196

FORM I - ANALYSIS DATA SHEET
SW846 8082A

TF1-DUP-02-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-03 File ID: 3877803.D
Sampled: 08/31/17 00:00 Prepared: 09/01/17 19:00 Analyzed: 09/08/17 19:45
% Solids: Preparation: SW846 3510C Initial/Final: 1020 ml / 10 ml
Batch: 1715132 Sequence: S708102 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	0.196	U	0.102	0.196	0.196
11104-28-2	Aroclor-1221	1	0.196	U	0.113	0.196	0.196
11141-16-5	Aroclor-1232	1	0.196	U	0.109	0.196	0.196
53469-21-9	Aroclor-1242	1	0.196	U	0.105	0.196	0.196
12672-29-6	Aroclor-1248	1	0.196	U	0.133	0.196	0.196
11097-69-1	Aroclor-1254	1	0.196	U	0.114	0.196	0.196
11096-82-5	Aroclor-1260	1	0.196	U	0.0834	0.196	0.196
37324-23-5	Aroclor-1262	1	0.196	U	0.0878	0.196	0.196
11100-14-4	Aroclor-1268	1	0.196	U	0.0897	0.196	0.196

FORM I - ANALYSIS DATA SHEET

SW846 8081B

TF1-EBP-GT124R-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-01 File ID: 3877801.D
 Sampled: 08/31/17 16:22 Prepared: 09/07/17 15:00 Analyzed: 09/10/17 01:33
 % Solids: Preparation: SW846 3510C Initial/Final: 1060 ml / 10 ml
 Batch: 1715315 Sequence: S708007 Calibration: 1709015 Instrument: HPS14
 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	0.016	0.019	0.019
76-44-8	Heptachlor	1	0.019	U	0.018	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	0.014	0.019	0.019
959-98-8	Endosulfan I	1	0.019	U	0.015	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	0.028	U	0.017	0.028	0.038
72-43-5	Methoxychlor	1	0.019	U	0.017	0.019	0.038
53494-70-5	Endrin ketone	1	0.019	U	0.016	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	0.472	U	0.309	0.472	0.472
57-74-9	Chlordane	1	0.061	U	0.048	0.061	0.061
15972-60-8	Alachlor	1	0.019	U	0.018	0.019	0.019

FORM I - ANALYSIS DATA SHEET

SW846 8081B

TF1-GT-110-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-02 File ID: 3877802.D
 Sampled: 08/31/17 10:56 Prepared: 09/07/17 15:00 Analyzed: 09/10/17 01:50
 % Solids: Preparation: SW846 3510C Initial/Final: 1000 ml / 10 ml
 Batch: 1715315 Sequence: S708007 Calibration: 1709015 Instrument: HPS14
 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-DUP-02-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-03 File ID: 3877803.D
 Sampled: 08/31/17 00:00 Prepared: 09/07/17 15:00 Analyzed: 09/10/17 02:07
 % Solids: Preparation: SW846 3510C Initial/Final: 1020 ml / 10 ml
 Batch: 1715315 Sequence: S708007 Calibration: 1709015 Instrument: HPS14
 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	0.015	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	0.017	0.020	0.020
72-20-8	Endrin	1	0.020	U	0.019	0.020	0.039
33213-65-9	Endosulfan II	1	0.020	U	0.020	0.020	0.039
72-54-8	4,4'-DDD (p,p')	1	0.020	U	0.018	0.020	0.039
1031-07-8	Endosulfan sulfate	1	0.020	U	0.019	0.020	0.039
50-29-3	4,4'-DDT (p,p')	1	0.029	U	0.017	0.029	0.039
72-43-5	Methoxychlor	1	0.020	U	0.018	0.020	0.039
53494-70-5	Endrin ketone	1	0.020	U	0.017	0.020	0.039
7421-93-4	Endrin aldehyde	1	0.020	U	0.019	0.020	0.039
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	0.490	U	0.322	0.490	0.490
57-74-9	Chlordane	1	0.064	U	0.050	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-GT-128-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-04 File ID: 3877804.D
 Sampled: 08/31/17 14:40 Prepared: 09/07/17 15:00 Analyzed: 09/10/17 02:25
 % Solids: Preparation: SW846 3510C Initial/Final: 1040 ml / 10 ml
 Batch: 1715315 Sequence: S708007 Calibration: 1709015 Instrument: HPS14
 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-GZ-114-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-05 File ID: 3877805.D
 Sampled: 08/31/17 09:15 Prepared: 09/07/17 15:00 Analyzed: 09/10/17 02:42
 % Solids: Preparation: SW846 3510C Initial/Final: 910 ml / 10 ml
 Batch: 1715315 Sequence: S708007 Calibration: 1709015 Instrument: HPS14
 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	0.022	U	0.013	0.022	0.022
319-85-7	beta-BHC	1	0.022	U	0.016	0.022	0.022
319-86-8	delta-BHC	1	0.022	U	0.017	0.022	0.022
58-89-9	gamma-BHC (Lindane)	1	0.022	U	0.019	0.022	0.022
76-44-8	Heptachlor	1	0.022	U	0.022	0.022	0.022
309-00-2	Aldrin	1	0.022	U	0.017	0.022	0.022
1024-57-3	Heptachlor epoxide	1	0.022	U	0.017	0.022	0.022
959-98-8	Endosulfan I	1	0.022	U	0.018	0.022	0.022
60-57-1	Dieldrin	1	0.022	U	0.019	0.022	0.022
72-55-9	4,4'-DDE (p,p')	1	0.022	U	0.020	0.022	0.022
72-20-8	Endrin	1	0.022	U	0.021	0.022	0.044
33213-65-9	Endosulfan II	1	0.022	U	0.022	0.022	0.044
72-54-8	4,4'-DDD (p,p')	1	0.022	U	0.020	0.022	0.044
1031-07-8	Endosulfan sulfate	1	0.022	U	0.022	0.022	0.044
50-29-3	4,4'-DDT (p,p')	1	0.033	U	0.019	0.033	0.044
72-43-5	Methoxychlor	1	0.022	U	0.020	0.022	0.044
53494-70-5	Endrin ketone	1	0.022	U	0.019	0.022	0.044
7421-93-4	Endrin aldehyde	1	0.022	U	0.021	0.022	0.044
5103-71-9	alpha-Chlordane	1	0.022	U	0.017	0.022	0.022
5103-74-2	Chlordane (gamma)(trans)	1	0.022	U	0.018	0.022	0.022
8001-35-2	Toxaphene	1	0.549	U	0.360	0.549	0.549
57-74-9	Chlordane	1	0.071	U	0.056	0.071	0.071
15972-60-8	Alachlor	1	0.022	U	0.021	0.022	0.022

FORM I - ANALYSIS DATA SHEET
SW846 8081B

TF1-GZ-117-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-06 File ID: 3877806.D
 Sampled: 08/31/17 15:05 Prepared: 09/07/17 15:00 Analyzed: 09/10/17 03:00
 % Solids: Preparation: SW846 3510C Initial/Final: 950 ml / 10 ml
 Batch: 1715315 Sequence: S708007 Calibration: 1709015 Instrument: HPS14
 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	0.021	0.021	0.021
309-00-2	Aldrin	1	0.021	U	0.017	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	0.020	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	0.032	U	0.019	0.032	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	0.526	U	0.345	0.526	0.526
57-74-9	Chlordane	1	0.068	U	0.054	0.068	0.068
15972-60-8	Alachlor	1	0.021	U	0.020	0.021	0.021

FORM I - ANALYSIS DATA SHEET
SW846 8081B

TF1-GT-112-090117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-09 File ID: 3877809.D
 Sampled: 09/01/17 09:00 Prepared: 09/07/17 15:00 Analyzed: 09/10/17 03:17
 % Solids: Preparation: SW846 3510C Initial/Final: 990 ml / 10 ml
 Batch: 1715315 Sequence: S708007 Calibration: 1709015 Instrument: HPS14
 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	0.016	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	0.016	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	0.505	U	0.331	0.505	0.505
57-74-9	Chlordane	1	0.066	U	0.052	0.066	0.066
15972-60-8	Alachlor	1	0.020	U	0.019	0.020	0.020

FORM I - ANALYSIS DATA SHEET
SW846 8081B

TF1-GT-120-090117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-10 File ID: 3877810.D
 Sampled: 09/01/17 09:07 Prepared: 09/07/17 15:00 Analyzed: 09/10/17 03:34
 % Solids: Preparation: SW846 3510C Initial/Final: 1040 ml / 10 ml
 Batch: 1715315 Sequence: S708007 Calibration: 1709015 Instrument: HPS14
 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-131-090117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-11 File ID: 3877811.D
 Sampled: 09/01/17 09:03 Prepared: 09/07/17 15:00 Analyzed: 09/10/17 03:52
 % Solids: Preparation: SW846 3510C Initial/Final: 1020 ml / 10 ml
 Batch: 1715315 Sequence: S708007 Calibration: 1709015 Instrument: HPS14
 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	0.015	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	0.017	0.020	0.020
72-20-8	Endrin	1	0.020	U	0.019	0.020	0.039
33213-65-9	Endosulfan II	1	0.020	U	0.020	0.020	0.039
72-54-8	4,4'-DDD (p,p')	1	0.020	U	0.018	0.020	0.039
1031-07-8	Endosulfan sulfate	1	0.020	U	0.019	0.020	0.039
50-29-3	4,4'-DDT (p,p')	1	0.029	U	0.017	0.029	0.039
72-43-5	Methoxychlor	1	0.020	U	0.018	0.020	0.039
53494-70-5	Endrin ketone	1	0.020	U	0.017	0.020	0.039
7421-93-4	Endrin aldehyde	1	0.020	U	0.019	0.020	0.039
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	0.490	U	0.322	0.490	0.490
57-74-9	Chlordane	1	0.064	U	0.050	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-RB-090117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: QC Laboratory ID: SC38778-12 File ID: 3877812.D
 Sampled: 09/01/17 10:00 Prepared: 09/07/17 15:00 Analyzed: 09/10/17 04:10
 % Solids: Preparation: SW846 3510C Initial/Final: 1000 ml / 10 ml
 Batch: 1715315 Sequence: S708007 Calibration: 1709015 Instrument: HPS14
 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 - ORGANIC ANALYSIS DATA SHEET**Mod EPA 3C/SOP RSK-175****TF1-EBP-GT124R-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-01 File ID: 091117-chanb-007-0
Sampled: 08/31/17 16:22 Prepared: 09/11/17 06:00 Analyzed: 09/11/17 11:10
% Solids: Preparation: General Air Prep Initial/Final: 10 µg / 10 µg
Batch: 1715514 Sequence: S708081 Calibration: 1707028 Instrument: Air5
Reported to: LOD

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-110-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-02 File ID: 091117-chanb-008-0
Sampled: 08/31/17 10:56 Prepared: 09/11/17 06:00 Analyzed: 09/11/17 11:33
% Solids: Preparation: General Air Prep Initial/Final: 10 µg / 10 µg
Batch: 1715514 Sequence: S708081 Calibration: 1707028 Instrument: Air5
Reported to: LOD

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
74-82-8	Methane	1	350		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-02-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-03 File ID: 091117-chanb-009-0
Sampled: 08/31/17 00:00 Prepared: 09/11/17 06:00 Analyzed: 09/11/17 11:56
% Solids: Preparation: General Air Prep Initial/Final: 10 µg / 10 µg
Batch: 1715514 Sequence: S708081 Calibration: 1707028 Instrument: Air5
Reported to: LOD

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-128-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-04 File ID: 091117-chanb-010-0
Sampled: 08/31/17 14:40 Prepared: 09/11/17 06:00 Analyzed: 09/11/17 12:19
% Solids: Preparation: General Air Prep Initial/Final: 10 µg / 10 µg
Batch: 1715514 Sequence: S708081 Calibration: 1707028 Instrument: Air5
Reported to: LOD

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
74-82-8	Methane	1	16.0		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-GZ-114-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-05 File ID: 091117-chanb-011-0
Sampled: 08/31/17 09:15 Prepared: 09/11/17 06:00 Analyzed: 09/11/17 12:42
% Solids: Preparation: General Air Prep Initial/Final: 10 µg / 10 µg
Batch: 1715514 Sequence: S708081 Calibration: 1707028 Instrument: Air5
Reported to: LOD

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
74-82-8	Methane	1	114		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-GZ-117-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-06 File ID: 091117-chanb-012-0
Sampled: 08/31/17 15:05 Prepared: 09/11/17 06:00 Analyzed: 09/11/17 13:05
% Solids: Preparation: General Air Prep Initial/Final: 10 µg / 10 µg
Batch: 1715514 Sequence: S708081 Calibration: 1707028 Instrument: Air5
Reported to: LOD

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
74-82-8	Methane	1	33.0		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-112-090117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-09 File ID: 091117-chanb-013-0
Sampled: 09/01/17 09:00 Prepared: 09/11/17 06:00 Analyzed: 09/11/17 13:30
% Solids: Preparation: General Air Prep Initial/Final: 10 µg / 10 µg
Batch: 1715514 Sequence: S708081 Calibration: 1707028 Instrument: Air5
Reported to: LOD

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-120-090117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-10 File ID: 091117-chanb-014-0
Sampled: 09/01/17 09:07 Prepared: 09/11/17 06:00 Analyzed: 09/11/17 13:54
% Solids: Preparation: General Air Prep Initial/Final: 10 µg / 10 µg
Batch: 1715514 Sequence: S708081 Calibration: 1707028 Instrument: Air5
Reported to: LOD

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
74-82-8	Methane	1	410		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-131-090117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-11 File ID: 091117-chanb-015-0
Sampled: 09/01/17 09:03 Prepared: 09/11/17 06:00 Analyzed: 09/11/17 14:17
% Solids: Preparation: General Air Prep Initial/Final: 10 µg / 10 µg
Batch: 1715514 Sequence: S708081 Calibration: 1707028 Instrument: Air5
Reported to: LOD

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-RB-090117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: QC Laboratory ID: SC38778-12 File ID: 091117-chanb-016-0
Sampled: 09/01/17 10:00 Prepared: 09/11/17 06:00 Analyzed: 09/11/17 15:02
% Solids: Preparation: General Air Prep Initial/Final: 10 µg / 10 µg
Batch: 1715514 Sequence: S708081 Calibration: 1707028 Instrument: Air5
Reported to: LOD

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 - INORGANIC ANALYSIS DATA SHEET**SW846 6010C****TF1-EBP-GT124R-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-01 File ID: 20170920-124
Sampled: 08/31/17 16:22 Prepared: 09/18/17 15:30
% Solids: Preparation: SW846 3005A Initial/Final: 50 ml / 50 ml
Batch: 1716143 Sequence: S710436 Calibration: 1711057
Instrument: ICAP5
Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
7439-89-6	Iron	0.527		1	0.0089	0.0300	0.0800
7440-09-7	Potassium	0.905	J	1	0.120	0.250	1.00
7440-23-5	Sodium	5.94		1	0.0785	0.250	0.500
7429-90-5	Aluminum	0.130		1	0.0206	0.0500	0.0500
7440-70-2	Calcium	3.72		1	0.0142	0.0500	0.200
7439-95-4	Magnesium	3.46		1	0.0088	0.0100	0.0200

FORM I - INORGANIC ANALYSIS DATA SHEET**SW846 6010C****TF1-GT-110-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-02 File ID: 20170920-126
Sampled: 08/31/17 10:56 Prepared: 09/18/17 15:30
% Solids: Preparation: SW846 3005A Initial/Final: 50 ml / 50 ml
Batch: 1716143 Sequence: S710436 Calibration: 1711057
Instrument: ICAP5
Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
7439-89-6	Iron	13.6		1	0.0089	0.0300	0.0800
7440-09-7	Potassium	1.09		1	0.120	0.250	1.00
7440-23-5	Sodium	16.2		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	7.52		1	0.0142	0.0500	0.200
7439-95-4	Magnesium	6.89		1	0.0088	0.0100	0.0200

FORM I - INORGANIC ANALYSIS DATA SHEET**SW846 6010C****TF1-DUP-02-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-03 File ID: 20170920-127
Sampled: 08/31/17 00:00 Prepared: 09/18/17 15:30
% Solids: Preparation: SW846 3005A Initial/Final: 50 ml / 50 ml
Batch: 1716143 Sequence: S710436 Calibration: 1711057
Instrument: ICAP5
Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
7439-89-6	Iron	14.3		1	0.0089	0.0300	0.0800
7440-09-7	Potassium	1.09		1	0.120	0.250	1.00
7440-23-5	Sodium	16.8		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	7.82		1	0.0142	0.0500	0.200
7439-95-4	Magnesium	6.97		1	0.0088	0.0100	0.0200

FORM I - INORGANIC ANALYSIS DATA SHEET**SW846 6010C****TF1-GT-128-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-04 File ID: 20170920-134
Sampled: 08/31/17 14:40 Prepared: 09/18/17 15:30
% Solids: Preparation: SW846 3005A Initial/Final: 50 ml / 50 ml
Batch: 1716143 Sequence: S710436 Calibration: 1711057
Instrument: ICAP5
Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
7439-89-6	Iron	59.1		1	0.0089	0.0300	0.0800
7440-09-7	Potassium	2.65		1	0.120	0.250	1.00
7440-23-5	Sodium	5.17		1	0.0785	0.250	0.500
7429-90-5	Aluminum	0.0910		1	0.0206	0.0500	0.0500
7440-70-2	Calcium	18.6		1	0.0142	0.0500	0.200
7439-95-4	Magnesium	4.66		1	0.0088	0.0100	0.0200

FORM I - INORGANIC ANALYSIS DATA SHEET**SW846 6010C****TF1-GZ-114-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-05 File ID: 20170920-135
Sampled: 08/31/17 09:15 Prepared: 09/18/17 15:30
% Solids: Preparation: SW846 3005A Initial/Final: 50 ml / 50 ml
Batch: 1716143 Sequence: S710436 Calibration: 1711057
Instrument: ICAP5
Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
7439-89-6	Iron	18.7		1	0.0089	0.0300	0.0800
7440-09-7	Potassium	3.19		1	0.120	0.250	1.00
7440-23-5	Sodium	2.16		1	0.0785	0.250	0.500
7429-90-5	Aluminum	0.185		1	0.0206	0.0500	0.0500
7440-70-2	Calcium	9.34		1	0.0142	0.0500	0.200
7439-95-4	Magnesium	2.17		1	0.0088	0.0100	0.0200

FORM I - INORGANIC ANALYSIS DATA SHEET**SW846 6010C****TF1-GZ-117-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-06 File ID: 20170920-136
Sampled: 08/31/17 15:05 Prepared: 09/18/17 15:30
% Solids: Preparation: SW846 3005A Initial/Final: 50 ml / 50 ml
Batch: 1716143 Sequence: S710436 Calibration: 1711057
Instrument: ICAP5
Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
7439-89-6	Iron	16.4		1	0.0089	0.0300	0.0800
7440-09-7	Potassium	1.06		1	0.120	0.250	1.00
7440-23-5	Sodium	6.05		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	13.7		1	0.0142	0.0500	0.200
7439-95-4	Magnesium	5.28		1	0.0088	0.0100	0.0200

FORM I - INORGANIC ANALYSIS DATA SHEET**SW846 6010C****TF1-GT-112-090117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-09 File ID: 20170920-137
Sampled: 09/01/17 09:00 Prepared: 09/18/17 15:30
% Solids: Preparation: SW846 3005A Initial/Final: 50 ml / 50 ml
Batch: 1716143 Sequence: S710436 Calibration: 1711057
Instrument: ICAP5
Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
7439-89-6	Iron	29.6		1	0.0089	0.0300	0.0800
7440-09-7	Potassium	1.98		1	0.120	0.250	1.00
7440-23-5	Sodium	6.43		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	13.1		1	0.0142	0.0500	0.200
7439-95-4	Magnesium	2.71		1	0.0088	0.0100	0.0200

FORM I - INORGANIC ANALYSIS DATA SHEET**SW846 6010C****TF1-GT-120-090117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-10 File ID: 20170920-138
Sampled: 09/01/17 09:07 Prepared: 09/18/17 15:30
% Solids: Preparation: SW846 3005A Initial/Final: 50 ml / 50 ml
Batch: 1716143 Sequence: S710436 Calibration: 1711057
Instrument: ICAP5
Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
7439-89-6	Iron	18.0		1	0.0089	0.0300	0.0800
7440-09-7	Potassium	2.47		1	0.120	0.250	1.00
7440-23-5	Sodium	4.28		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	60.2		1	0.0142	0.0500	0.200
7439-95-4	Magnesium	1.64		1	0.0088	0.0100	0.0200

FORM I - INORGANIC ANALYSIS DATA SHEET**SW846 6010C****TF1-GT-131-090117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-11 File ID: 20170920-145
Sampled: 09/01/17 09:03 Prepared: 09/18/17 15:30
% Solids: Preparation: SW846 3005A Initial/Final: 50 ml / 50 ml
Batch: 1716143 Sequence: S710436 Calibration: 1711057
Instrument: ICAP5
Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
7439-89-6	Iron	22.2		1	0.0089	0.0300	0.0800
7440-09-7	Potassium	2.15		1	0.120	0.250	1.00
7440-23-5	Sodium	4.41		1	0.0785	0.250	0.500
7429-90-5	Aluminum	0.0230	J	1	0.0206	0.0500	0.0500
7440-70-2	Calcium	7.94		1	0.0142	0.0500	0.200
7439-95-4	Magnesium	2.25		1	0.0088	0.0100	0.0200

FORM I - INORGANIC ANALYSIS DATA SHEET**SW846 6010C****TF1-RB-090117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: QC Laboratory ID: SC38778-12 File ID: 20170920-146
Sampled: 09/01/17 10:00 Prepared: 09/18/17 15:30
% Solids: Preparation: SW846 3005A Initial/Final: 50 ml / 50 ml
Batch: 1716143 Sequence: S710436 Calibration: 1711057
Instrument: ICAP5
Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
7439-89-6	Iron	0.0300	U	1	0.0089	0.0300	0.0800
7440-09-7	Potassium	0.250	U	1	0.120	0.250	1.00
7440-23-5	Sodium	0.250	U	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	0.0409	J	1	0.0142	0.0500	0.200
7439-95-4	Magnesium	0.0100	U	1	0.0088	0.0100	0.0200

FORM I - INORGANIC ANALYSIS DATA SHEET**EPA 245.1/7470A****TF1-EBP-GT124R-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-01 File ID: 092517A-043
Sampled: 08/31/17 16:22 Prepared: 09/16/17 14:00
% Solids: Preparation: EPA200/SW7000 Series Initial/Final: 20 ml / 20 ml
Batch: 1715786 Sequence: S710401 Calibration: 1711054
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-110-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-02 File ID: 092517A-048
Sampled: 08/31/17 10:56 Prepared: 09/16/17 14:00
% Solids: Preparation: EPA200/SW7000 Series Initial/Final: 20 ml / 20 ml
Batch: 1715786 Sequence: S710401 Calibration: 1711054
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-02-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-03 File ID: 092517A-049
Sampled: 08/31/17 00:00 Prepared: 09/16/17 14:00
% Solids: Preparation: EPA200/SW7000 Series Initial/Final: 20 ml / 20 ml
Batch: 1715786 Sequence: S710401 Calibration: 1711054
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-128-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-04 File ID: 092517A-050
Sampled: 08/31/17 14:40 Prepared: 09/16/17 14:00
% Solids: Preparation: EPA200/SW7000 Series Initial/Final: 20 ml / 20 ml
Batch: 1715786 Sequence: S710401 Calibration: 1711054
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-GZ-114-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-05 File ID: 092517A-053
Sampled: 08/31/17 09:15 Prepared: 09/16/17 14:00
% Solids: Preparation: EPA200/SW7000 Series Initial/Final: 20 ml / 20 ml
Batch: 1715786 Sequence: S710401 Calibration: 1711054
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-GZ-117-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-06 File ID: 092517A-054
Sampled: 08/31/17 15:05 Prepared: 09/16/17 14:00
% Solids: Preparation: EPA200/SW7000 Series Initial/Final: 20 ml / 20 ml
Batch: 1715786 Sequence: S710401 Calibration: 1711054
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-112-090117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-09 File ID: 092517A-055
Sampled: 09/01/17 09:00 Prepared: 09/16/17 14:00
% Solids: Preparation: EPA200/SW7000 Series Initial/Final: 20 ml / 20 ml
Batch: 1715786 Sequence: S710401 Calibration: 1711054
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-120-090117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-10 File ID: 092517A-056
 Sampled: 09/01/17 09:07 Prepared: 09/16/17 14:00
 % Solids: Preparation: EPA200/SW7000 Series Initial/Final: 20 ml / 20 ml
 Batch: 1715786 Sequence: S710401 Calibration: 1711054
 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-131-090117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-11 File ID: 092517A-057
Sampled: 09/01/17 09:03 Prepared: 09/16/17 14:00
% Solids: Preparation: EPA200/SW7000 Series Initial/Final: 20 ml / 20 ml
Batch: 1715786 Sequence: S710401 Calibration: 1711054
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-RB-090117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: QC Laboratory ID: SC38778-12 File ID: 092517A-058
Sampled: 09/01/17 10:00 Prepared: 09/16/17 14:00
% Solids: Preparation: EPA200/SW7000 Series Initial/Final: 20 ml / 20 ml
Batch: 1715786 Sequence: S710401 Calibration: 1711054
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 300.0****TF1-EBP-GT124R-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-01 File ID: 090117-058
Sampled: 08/31/17 16:22 Prepared: 09/01/17 16:59 Analyzed: 09/02/17 01:12
% Solids: Preparation: General Preparation Initial/Final: 5 ml / 5 ml
Batch: 1715074 Sequence: S709514 Calibration: 1710011
Instrument: IC3
Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
16887-00-6	Chloride	9.69		1	0.0897	0.100	1.00
14808-79-8	Sulfate as SO4	14.6		1	0.307	1.00	1.00
14797-55-8	Nitrate as N	0.208		1	0.009	0.100	0.100

FORM I - INORGANIC ANALYSIS DATA SHEET**EPA 300.0****TF1-GT-110-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-02 File ID: 090117-054
Sampled: 08/31/17 10:56 Prepared: 09/01/17 16:59 Analyzed: 09/02/17 00:07
% Solids: Preparation: General Preparation Initial/Final: 5 ml / 5 ml
Batch: 1715074 Sequence: S709514 Calibration: 1710011
Instrument: IC3
Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
16887-00-6	Chloride	33.1		1	0.0897	0.100	1.00
14808-79-8	Sulfate as SO4	3.61		1	0.307	1.00	1.00
14797-55-8	Nitrate as N	0.016	J	1	0.009	0.100	0.100

FORM I - INORGANIC ANALYSIS DATA SHEET**EPA 300.0****TF1-DUP-02-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-03 File ID: 090117-041
Sampled: 08/31/17 00:00 Prepared: 09/01/17 16:59 Analyzed: 09/01/17 20:40
% Solids: Preparation: General Preparation Initial/Final: 5 ml / 5 ml
Batch: 1715074 Sequence: S709514 Calibration: 1710011
Instrument: IC3
Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
16887-00-6	Chloride	31.4		1	0.0897	0.100	1.00
14808-79-8	Sulfate as SO4	3.03		1	0.307	1.00	1.00
14797-55-8	Nitrate as N	0.100	U	1	0.009	0.100	0.100

FORM I - INORGANIC ANALYSIS DATA SHEET**EPA 300.0****TF1-GT-128-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-04 File ID: 090117-056
Sampled: 08/31/17 14:40 Prepared: 09/01/17 16:59 Analyzed: 09/02/17 00:40
% Solids: Preparation: General Preparation Initial/Final: 5 ml / 5 ml
Batch: 1715074 Sequence: S709514 Calibration: 1710011
Instrument: IC3
Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
16887-00-6	Chloride	6.03		1	0.0897	0.100	1.00
14808-79-8	Sulfate as SO4	81.3		3	0.922	3.00	3.00
14797-55-8	Nitrate as N	0.100	U	1	0.009	0.100	0.100

FORM I - INORGANIC ANALYSIS DATA SHEET**EPA 300.0****TF1-GZ-114-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-05 File ID: 090117-049
Sampled: 08/31/17 09:15 Prepared: 09/01/17 16:59 Analyzed: 09/01/17 22:47
% Solids: Preparation: General Preparation Initial/Final: 5 ml / 5 ml
Batch: 1715074 Sequence: S709514 Calibration: 1710011
Instrument: IC3
Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
16887-00-6	Chloride	3.44		1	0.0897	0.100	1.00
14808-79-8	Sulfate as SO4	22.6		1	0.307	1.00	1.00
14797-55-8	Nitrate as N	0.100	U	1	0.009	0.100	0.100

FORM I - INORGANIC ANALYSIS DATA SHEET**EPA 300.0****TF1-GZ-117-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-06 File ID: 090117-057
Sampled: 08/31/17 15:05 Prepared: 09/01/17 16:59 Analyzed: 09/02/17 00:56
% Solids: Preparation: General Preparation Initial/Final: 5 ml / 5 ml
Batch: 1715074 Sequence: S709514 Calibration: 1710011
Instrument: IC3
Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
16887-00-6	Chloride	9.81		1	0.0897	0.100	1.00
14808-79-8	Sulfate as SO4	3.14		1	0.307	1.00	1.00
14797-55-8	Nitrate as N	0.100	U	1	0.009	0.100	0.100

FORM I - INORGANIC ANALYSIS DATA SHEET**EPA 300.0****TF1-GT-112-090117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-09 File ID: 090117-060
Sampled: 09/01/17 09:00 Prepared: 09/01/17 16:59 Analyzed: 09/02/17 01:44
% Solids: Preparation: General Preparation Initial/Final: 5 ml / 5 ml
Batch: 1715074 Sequence: S709514 Calibration: 1710011
Instrument: IC3
Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
16887-00-6	Chloride	7.52		1	0.0897	0.100	1.00
14808-79-8	Sulfate as SO4	1.44		1	0.307	1.00	1.00
14797-55-8	Nitrate as N	0.100	U	1	0.009	0.100	0.100

FORM I - INORGANIC ANALYSIS DATA SHEET**EPA 300.0****TF1-GT-120-090117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-10 File ID: 090117-061
Sampled: 09/01/17 09:07 Prepared: 09/01/17 16:59 Analyzed: 09/02/17 02:00
% Solids: Preparation: General Preparation Initial/Final: 5 ml / 5 ml
Batch: 1715074 Sequence: S709514 Calibration: 1710011
Instrument: IC3
Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
16887-00-6	Chloride	5.21		1	0.0897	0.100	1.00
14808-79-8	Sulfate as SO4	2.64		1	0.307	1.00	1.00
14797-55-8	Nitrate as N	0.100	U	1	0.009	0.100	0.100

FORM I - INORGANIC ANALYSIS DATA SHEET**EPA 300.0****TF1-GT-131-090117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-11 File ID: 090117-062
Sampled: 09/01/17 09:03 Prepared: 09/01/17 16:59 Analyzed: 09/02/17 02:16
% Solids: Preparation: General Preparation Initial/Final: 5 ml / 5 ml
Batch: 1715074 Sequence: S709514 Calibration: 1710011
Instrument: IC3
Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
16887-00-6	Chloride	6.56		1	0.0897	0.100	1.00
14808-79-8	Sulfate as SO4	2.99		1	0.307	1.00	1.00
14797-55-8	Nitrate as N	0.100	U	1	0.009	0.100	0.100

FORM I - INORGANIC ANALYSIS DATA SHEET**EPA 300.0****TF1-RB-090117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: QC Laboratory ID: SC38778-12 File ID: 090117-066
Sampled: 09/01/17 10:00 Prepared: 09/01/17 16:59 Analyzed: 09/02/17 03:20
% Solids: Preparation: General Preparation Initial/Final: 5 ml / 5 ml
Batch: 1715074 Sequence: S709514 Calibration: 1710011
Instrument: IC3
Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
16887-00-6	Chloride	0.100	U	1	0.0897	0.100	1.00
14808-79-8	Sulfate as SO ₄	1.00	U	1	0.307	1.00	1.00
14797-55-8	Nitrate as N	0.100	U	1	0.009	0.100	0.100

FORM I - INORGANIC ANALYSIS DATA SHEET**SM5310B (00, 11)****TF1-EBP-GT124R-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-01 File ID: 1715646-006
Sampled: 08/31/17 16:22 Prepared: 09/12/17 19:12 Analyzed: 09/13/17 10:53
% Solids: Preparation: General Preparation Initial/Final: 40 ml / 40 ml
Batch: 1715646 Sequence: S708176 Calibration: 1706085
Instrument: TOC4
Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
NA	Total Organic Carbon	0.720	J	1	0.238	0.500	1.00

FORM I - INORGANIC ANALYSIS DATA SHEET**SM5310B (00, 11)****TF1-GT-110-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-02 File ID: 1715646-007
Sampled: 08/31/17 10:56 Prepared: 09/12/17 19:12 Analyzed: 09/13/17 11:10
% Solids: Preparation: General Preparation Initial/Final: 40 ml / 40 ml
Batch: 1715646 Sequence: S708176 Calibration: 1706085
Instrument: TOC4
Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
NA	Total Organic Carbon	2.26		1	0.238	0.500	1.00

FORM I - INORGANIC ANALYSIS DATA SHEET**SM5310B (00, 11)**

TF1-DUP-02-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-03 File ID: 1715646-008
Sampled: 08/31/17 00:00 Prepared: 09/12/17 19:12 Analyzed: 09/13/17 11:26
% Solids: Preparation: General Preparation Initial/Final: 40 ml / 40 ml
Batch: 1715646 Sequence: S708176 Calibration: 1706085
Instrument: TOC4
Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
NA	Total Organic Carbon	2.24		1	0.238	0.500	1.00

FORM I - INORGANIC ANALYSIS DATA SHEET**SM5310B (00, 11)****TF1-GT-128-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-04 File ID: 1715646-009
Sampled: 08/31/17 14:40 Prepared: 09/12/17 19:12 Analyzed: 09/13/17 11:41
% Solids: Preparation: General Preparation Initial/Final: 40 ml / 40 ml
Batch: 1715646 Sequence: S708176 Calibration: 1706085
Instrument: TOC4
Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
NA	Total Organic Carbon	12.2		1	0.238	0.500	1.00

FORM I - INORGANIC ANALYSIS DATA SHEET**SM5310B (00, 11)****TF1-GZ-114-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-05 File ID: 1715646-010
Sampled: 08/31/17 09:15 Prepared: 09/12/17 19:12 Analyzed: 09/13/17 11:58
% Solids: Preparation: General Preparation Initial/Final: 40 ml / 40 ml
Batch: 1715646 Sequence: S708176 Calibration: 1706085
Instrument: TOC4
Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
NA	Total Organic Carbon	2.07		1	0.238	0.500	1.00

FORM I - INORGANIC ANALYSIS DATA SHEET**SM5310B (00, 11)****TF1-GZ-117-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-06 File ID: 1715646-011
Sampled: 08/31/17 15:05 Prepared: 09/12/17 19:12 Analyzed: 09/13/17 12:14
% Solids: Preparation: General Preparation Initial/Final: 40 ml / 40 ml
Batch: 1715646 Sequence: S708176 Calibration: 1706085
Instrument: TOC4
Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
NA	Total Organic Carbon	1.08		1	0.238	0.500	1.00

FORM I - INORGANIC ANALYSIS DATA SHEET**SM5310B (00, 11)****TF1-GT-112-090117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-09 File ID: 1715646-012
Sampled: 09/01/17 09:00 Prepared: 09/12/17 19:12 Analyzed: 09/13/17 12:31
% Solids: Preparation: General Preparation Initial/Final: 40 ml / 40 ml
Batch: 1715646 Sequence: S708176 Calibration: 1706085
Instrument: TOC4
Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
NA	Total Organic Carbon	5.64		1	0.238	0.500	1.00

FORM I - INORGANIC ANALYSIS DATA SHEET**SM5310B (00, 11)****TF1-GT-120-090117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-10 File ID: 1715646-015
Sampled: 09/01/17 09:07 Prepared: 09/12/17 19:12 Analyzed: 09/13/17 13:16
% Solids: Preparation: General Preparation Initial/Final: 40 ml / 40 ml
Batch: 1715646 Sequence: S708176 Calibration: 1706085
Instrument: TOC4
Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
NA	Total Organic Carbon	4.25		1	0.238	0.500	1.00

FORM I - INORGANIC ANALYSIS DATA SHEET**SM5310B (00, 11)****TF1-GT-131-090117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-11 File ID: 1715646-019
Sampled: 09/01/17 09:03 Prepared: 09/12/17 19:12 Analyzed: 09/13/17 14:17
% Solids: Preparation: General Preparation Initial/Final: 40 ml / 40 ml
Batch: 1715646 Sequence: S708176 Calibration: 1706085
Instrument: TOC4
Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
NA	Total Organic Carbon	1.33		1	0.238	0.500	1.00

FORM I - INORGANIC ANALYSIS DATA SHEET**SM5310B (00, 11)**

TF1-RB-090117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: QC Laboratory ID: SC38778-12 File ID: 1715646-020
Sampled: 09/01/17 10:00 Prepared: 09/12/17 19:12 Analyzed: 09/13/17 14:34
% Solids: Preparation: General Preparation Initial/Final: 40 ml / 40 ml
Batch: 1715646 Sequence: S708176 Calibration: 1706085
Instrument: TOC4
Reported to: LOD

CAS NO.	Analyte	Result (mg/l)	Q	Dilution Factor	MDL	LOD	LOQ
NA	Total Organic Carbon	0.350	J	1	0.238	0.500	1.00

FORM I - INORGANIC ANALYSIS DATA SHEET**SM18-22 5210B****TF1-EBP-GT124R-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-01 File ID:
Sampled: 08/31/17 16:22 Prepared: 09/01/17 18:04 Analyzed: 09/07/17 17:17
% Solids: Preparation: General Preparation Initial/Final: 300 ml / 300 ml
Batch: 1715081 Sequence: S707959 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-110-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-02 File ID:
Sampled: 08/31/17 10:56 Prepared: 09/01/17 18:04 Analyzed: 09/07/17 17:17
% Solids: Preparation: General Preparation Initial/Final: 300 ml / 300 ml
Batch: 1715081 Sequence: S707959 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)	7.00		1	2.74	2.97	3.00

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

TF1-DUP-02-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-03 File ID:
Sampled: 08/31/17 00:00 Prepared: 09/01/17 18:04 Analyzed: 09/07/17 17:17
% Solids: Preparation: General Preparation Initial/Final: 300 ml / 300 ml
Batch: 1715081 Sequence: S707959 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)	8.00		1	2.74	2.97	3.00

FORM I - INORGANIC ANALYSIS DATA SHEET**SM18-22 5210B****TF1-GT-128-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-04 File ID:
Sampled: 08/31/17 14:40 Prepared: 09/01/17 18:04 Analyzed: 09/07/17 17:17
% Solids: Preparation: General Preparation Initial/Final: 300 ml / 300 ml
Batch: 1715081 Sequence: S707959 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)	57.0		1	2.74	2.97	10.0

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

TF1-GZ-114-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-05 File ID:
Sampled: 08/31/17 09:15 Prepared: 09/01/17 18:04 Analyzed: 09/07/17 17:17
% Solids: Preparation: General Preparation Initial/Final: 300 ml / 300 ml
Batch: 1715081 Sequence: S707959 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)	34.0		1	2.74	2.97	30.0

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

TF1-GZ-117-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-06 File ID:
Sampled: 08/31/17 15:05 Prepared: 09/01/17 18:04 Analyzed: 09/07/17 17:17
% Solids: Preparation: General Preparation Initial/Final: 300 ml / 300 ml
Batch: 1715081 Sequence: S707959 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)	115		1	2.74	2.97	30.0

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

TF1-GT-112-090117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-09 File ID:
Sampled: 09/01/17 09:00 Prepared: 09/01/17 18:04 Analyzed: 09/07/17 17:17
% Solids: Preparation: General Preparation Initial/Final: 300 ml / 300 ml
Batch: 1715081 Sequence: S707959 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)	7.00		1	2.74	2.97	3.00

FORM I - INORGANIC ANALYSIS DATA SHEET**SM18-22 5210B****TF1-GT-120-090117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-10 File ID:
Sampled: 09/01/17 09:07 Prepared: 09/01/17 18:04 Analyzed: 09/07/17 17:17
% Solids: Preparation: General Preparation Initial/Final: 300 ml / 300 ml
Batch: 1715081 Sequence: S707959 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)	38.0		1	2.74	2.97	30.0

FORM I - INORGANIC ANALYSIS DATA SHEET**SM18-22 5210B****TF1-GT-131-090117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-11 File ID:
Sampled: 09/01/17 09:03 Prepared: 09/01/17 18:04 Analyzed: 09/07/17 17:17
% Solids: Preparation: General Preparation Initial/Final: 300 ml / 300 ml
Batch: 1715081 Sequence: S707959 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)	26.0		1	2.74	2.97	10.0

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

TF1-RB-090117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: QC Laboratory ID: SC38778-12 File ID:
Sampled: 09/01/17 10:00 Prepared: 09/01/17 18:04 Analyzed: 09/07/17 17:17
% Solids: Preparation: General Preparation Initial/Final: 300 ml / 300 ml
Batch: 1715081 Sequence: S707959 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-EBP-GT124R-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-01 File ID: DTOOL Alk 2017-09-13 1719-004
Sampled: 08/31/17 16:22 Prepared: 09/12/17 18:47 Analyzed: 09/13/17 17:30
% Solids: Preparation: General Preparation Initial/Final: 100 ml / 50 ml
Batch: 1715643 Sequence: Calibration:
Instrument: Titration
Reported to: LOD

CAS NO.	Analyte	Result (mg/l CaCO3)	Q	Dilution Factor	MDL	LOD	LOQ
	Total Alkalinity	2.98		1	0.524	1.50	2.00

FORM I - INORGANIC ANALYSIS DATA SHEET**SM2320B (97, 11)****TF1-GT-110-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-02 File ID: DTOOL Alk 2017-09-13 1719-008
Sampled: 08/31/17 10:56 Prepared: 09/12/17 18:47 Analyzed: 09/13/17 17:42
% Solids: Preparation: General Preparation Initial/Final: 100 ml / 50 ml
Batch: 1715643 Sequence: Calibration:
Instrument: Titration
Reported to: LOD

CAS NO.	Analyte	Result (mg/l CaCO3)	Q	Dilution Factor	MDL	LOD	LOQ
	Total Alkalinity	41.8		1	0.524	1.50	2.00

FORM I - INORGANIC ANALYSIS DATA SHEET**SM2320B (97, 11)**

TF1-DUP-02-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-03 File ID: DTOOL Alk 2017-09-13 1719-006
Sampled: 08/31/17 00:00 Prepared: 09/12/17 18:47 Analyzed: 09/13/17 17:47
% Solids: Preparation: General Preparation Initial/Final: 100 ml / 50 ml
Batch: 1715643 Sequence: Calibration:
Instrument: Titration
Reported to: LOD

CAS NO.	Analyte	Result (mg/l CaCO3)	Q	Dilution Factor	MDL	LOD	LOQ
	Total Alkalinity	47.9		1	0.524	1.50	2.00

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2320B (97, 11)

TF1-GT-128-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-04 File ID: DTOOL Alk 2017-09-13 1719-01(
 Sampled: 08/31/17 14:40 Prepared: 09/12/17 18:47 Analyzed: 09/13/17 17:51
 % Solids: Preparation: General Preparation Initial/Final: 100 ml / 50 ml
 Batch: 1715643 Sequence: Calibration:
 Instrument: Titration
 Reported to: LOD

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

FORM I - INORGANIC ANALYSIS DATA SHEET**SM2320B (97, 11)****TF1-GZ-114-083117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-05 File ID: DTOOL Alk 2017-09-13 1719-01
Sampled: 08/31/17 09:15 Prepared: 09/12/17 18:47 Analyzed: 09/13/17 17:59
% Solids: Preparation: General Preparation Initial/Final: 100 ml / 50 ml
Batch: 1715643 Sequence: Calibration:
Instrument: Titration
Reported to: LOD

CAS NO.	Analyte	Result (mg/l CaCO3)	Q	Dilution Factor	MDL	LOD	LOQ
	Total Alkalinity	36.1		1	0.524	1.50	2.00

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2320B (97, 11)

TF1-GZ-117-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: Ground Water Laboratory ID: SC38778-06 File ID: DT00L Alk 2017-09-13 1719-014
 Sampled: 08/31/17 15:05 Prepared: 09/12/17 18:47 Analyzed: 09/13/17 18:02
 % Solids: Preparation: General Preparation Initial/Final: 100 ml / 50 ml
 Batch: 1715643 Sequence: Calibration:
 Instrument: Titration
 Reported to: LOD

CAS NO.	Analyte	Result (mg/l CaCO3)	Q	Dilution Factor	MDL	LOD	LOQ
	Total Alkalinity	83.6		1	0.524	1.50	2.00

FORM I - INORGANIC ANALYSIS DATA SHEET**SM2320B (97, 11)****TF1-GT-112-090117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-09 File ID: DTOOL Alk 2017-09-13 1719-014
Sampled: 09/01/17 09:00 Prepared: 09/12/17 18:47 Analyzed: 09/13/17 18:09
% Solids: Preparation: General Preparation Initial/Final: 100 ml / 50 ml
Batch: 1715643 Sequence: Calibration:
Instrument: Titration
Reported to: LOD

CAS NO.	Analyte	Result (mg/l CaCO3)	Q	Dilution Factor	MDL	LOD	LOQ
	Total Alkalinity	63.2		1	0.524	1.50	2.00

FORM I - INORGANIC ANALYSIS DATA SHEET**SM2320B (97, 11)****TF1-GT-120-090117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-10 File ID: DTOOL Alk 2017-09-13 1719-016
Sampled: 09/01/17 09:07 Prepared: 09/12/17 18:47 Analyzed: 09/13/17 18:14
% Solids: Preparation: General Preparation Initial/Final: 100 ml / 50 ml
Batch: 1715643 Sequence: Calibration:
Instrument: Titration
Reported to: LOD

CAS NO.	Analyte	Result (mg/l CaCO3)	Q	Dilution Factor	MDL	LOD	LOQ
	Total Alkalinity	171		1	0.524	1.50	2.00

FORM I - INORGANIC ANALYSIS DATA SHEET**SM2320B (97, 11)****TF1-GT-131-090117**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Project Number: 112608005-WE15 Received: 09/01/17 18:30
Matrix: Ground Water Laboratory ID: SC38778-11 File ID: DTOOL Alk 2017-09-13 1719-01
Sampled: 09/01/17 09:03 Prepared: 09/12/17 18:47 Analyzed: 09/13/17 18:25
% Solids: Preparation: General Preparation Initial/Final: 100 ml / 50 ml
Batch: 1715643 Sequence: Calibration:
Instrument: Titration
Reported to: LOD

CAS NO.	Analyte	Result (mg/l CaCO3)	Q	Dilution Factor	MDL	LOD	LOQ
	Total Alkalinity	36.9		1	0.524	1.50	2.00

FORM I - INORGANIC ANALYSIS DATA SHEET

SM2320B (97, 11)

TF1-RB-090117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Project Number: 112608005-WE15 Received: 09/01/17 18:30
 Matrix: QC Laboratory ID: SC38778-12 File ID: DTOOL Alk 2017-09-13 1719-018
 Sampled: 09/01/17 10:00 Prepared: 09/12/17 18:47 Analyzed: 09/13/17 18:29
 % Solids: Preparation: General Preparation Initial/Final: 100 ml / 50 ml
 Batch: 1715643 Sequence: Calibration:
 Instrument: Titration
 Reported to: LOD

CAS NO.	Analyte	Result (mg/l CaCO3)	Q	Dilution Factor	MDL	LOD	LOQ
	Total Alkalinity	4.74		1	0.524	1.50	2.00

Sample Description: SC38778-01 Groundwater

ELLE Sample # WW 9240389

Project Name: sc38778

ELLE Group # 1857442

Account # 30891

Collected: 08/31/2017 16:22

Eurofins Spectrum Analytical

Submitted: 09/30/2017 09:55

11 Almgren Drive

Reported: 10/12/2017 14:23

Agawan MA 01001

778-1 SDG#: SAI27-01

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	0.0020 U	0.00072	0.0020	0.0040	1
06026	Barium	7440-39-3	0.0012 J	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	0.0022	0.00016	0.00050	0.0010	1
06033	Copper	7440-50-8	0.00099 J	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	0.123	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	0.0154	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	0.0087 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 21:41	Bradley M Berlot	1
06025	Arsenic	SW-846 6020A	1	172771063902A	10/11/2017 21:41	Bradley M Berlot	1
06026	Barium	SW-846 6020A	1	172771063902D	10/12/2017 05:12	Sarah L Burt	1
06027	Beryllium	SW-846 6020A	1	172771063902A	10/11/2017 21:41	Bradley M Berlot	1
06028	Cadmium	SW-846 6020A	1	172771063902A	10/11/2017 21:41	Bradley M Berlot	1
06031	Chromium	SW-846 6020A	1	172771063902A	10/11/2017 21:41	Bradley M Berlot	1
06032	Cobalt	SW-846 6020A	1	172771063902A	10/11/2017 21:41	Bradley M Berlot	1
06033	Copper	SW-846 6020A	1	172771063902A	10/11/2017 21:41	Bradley M Berlot	1
06035	Lead	SW-846 6020A	1	172771063902A	10/11/2017 21:41	Bradley M Berlot	1
06037	Manganese	SW-846 6020A	1	172771063902A	10/11/2017 21:41	Bradley M Berlot	1
06038	Molybdenum	SW-846 6020A	1	172771063902C	10/11/2017 21:41	Bradley M Berlot	1
06039	Nickel	SW-846 6020A	1	172771063902A	10/11/2017 21:41	Bradley M Berlot	1
06041	Selenium	SW-846 6020A	1	172771063902B	10/11/2017 21:41	Bradley M Berlot	1
06042	Silver	SW-846 6020A	1	172771063902A	10/11/2017 21:41	Bradley M Berlot	1
06045	Thallium	SW-846 6020A	1	172771063902A	10/11/2017 21:41	Bradley M Berlot	1
06048	Vanadium	SW-846 6020A	1	172771063902A	10/11/2017 21:41	Bradley M Berlot	1
06049	Zinc	SW-846 6020A	1	172771063902A	10/11/2017 21:41	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: SC38778-02 Groundwater

ELLE Sample # WW 9240390

Project Name: sc38778

ELLE Group # 1857442

Account # 30891

Collected: 08/31/2017 10:56

Eurofins Spectrum Analytical

Submitted: 09/30/2017 09:55

11 Almgren Drive

Reported: 10/12/2017 14:23

Agawan MA 01001

778-2 SDG#: SAI27-01

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	0.0277	0.00072	0.0020	0.0040	1
06026	Barium	7440-39-3	0.0040	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	0.0138	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	3.34	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	0.010	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	0.0067 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 21:44	Bradley M Berlot	1
06025	Arsenic	SW-846 6020A	1	172771063902A	10/11/2017 21:44	Bradley M Berlot	1
06026	Barium	SW-846 6020A	1	172771063902D	10/12/2017 05:14	Sarah L Burt	1
06027	Beryllium	SW-846 6020A	1	172771063902A	10/11/2017 21:44	Bradley M Berlot	1
06028	Cadmium	SW-846 6020A	1	172771063902A	10/11/2017 21:44	Bradley M Berlot	1
06031	Chromium	SW-846 6020A	1	172771063902A	10/11/2017 21:44	Bradley M Berlot	1
06032	Cobalt	SW-846 6020A	1	172771063902A	10/11/2017 21:44	Bradley M Berlot	1
06033	Copper	SW-846 6020A	1	172771063902A	10/11/2017 21:44	Bradley M Berlot	1
06035	Lead	SW-846 6020A	1	172771063902A	10/11/2017 21:44	Bradley M Berlot	1
06037	Manganese	SW-846 6020A	1	172771063902A	10/11/2017 21:44	Bradley M Berlot	1
06038	Molybdenum	SW-846 6020A	1	172771063902C	10/11/2017 21:44	Bradley M Berlot	1
06039	Nickel	SW-846 6020A	1	172771063902A	10/11/2017 21:44	Bradley M Berlot	1
06041	Selenium	SW-846 6020A	1	172771063902B	10/11/2017 21:44	Bradley M Berlot	1
06042	Silver	SW-846 6020A	1	172771063902A	10/11/2017 21:44	Bradley M Berlot	1
06045	Thallium	SW-846 6020A	1	172771063902A	10/11/2017 21:44	Bradley M Berlot	1
06048	Vanadium	SW-846 6020A	1	172771063902A	10/11/2017 21:44	Bradley M Berlot	1
06049	Zinc	SW-846 6020A	1	172771063902A	10/11/2017 21:44	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: SC38778-03 Groundwater

ELLE Sample # WW 9240391

Project Name: sc38778

ELLE Group # 1857442

Account # 30891

Collected: 08/31/2017

Eurofins Spectrum Analytical

Submitted: 09/30/2017 09:55

11 Almgren Drive

Reported: 10/12/2017 14:23

Agawan MA 01001

778-3 SDG#: SAI27-01

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	0.0288	0.00072	0.0020	0.0040	1
06026	Barium	7440-39-3	0.0052	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	0.0135	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	3.37	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	0.0102	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	0.0080 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 21:47	Bradley M Berlot	1
06025	Arsenic	SW-846 6020A	1	172771063902A	10/11/2017 21:47	Bradley M Berlot	1
06026	Barium	SW-846 6020A	1	172771063902D	10/12/2017 05:16	Sarah L Burt	1
06027	Beryllium	SW-846 6020A	1	172771063902A	10/11/2017 21:47	Bradley M Berlot	1
06028	Cadmium	SW-846 6020A	1	172771063902A	10/11/2017 21:47	Bradley M Berlot	1
06031	Chromium	SW-846 6020A	1	172771063902A	10/11/2017 21:47	Bradley M Berlot	1
06032	Cobalt	SW-846 6020A	1	172771063902A	10/11/2017 21:47	Bradley M Berlot	1
06033	Copper	SW-846 6020A	1	172771063902A	10/11/2017 21:47	Bradley M Berlot	1
06035	Lead	SW-846 6020A	1	172771063902A	10/11/2017 21:47	Bradley M Berlot	1
06037	Manganese	SW-846 6020A	1	172771063902A	10/11/2017 21:47	Bradley M Berlot	1
06038	Molybdenum	SW-846 6020A	1	172771063902C	10/11/2017 21:47	Bradley M Berlot	1
06039	Nickel	SW-846 6020A	1	172771063902A	10/11/2017 21:47	Bradley M Berlot	1
06041	Selenium	SW-846 6020A	1	172771063902B	10/11/2017 21:47	Bradley M Berlot	1
06042	Silver	SW-846 6020A	1	172771063902A	10/11/2017 21:47	Bradley M Berlot	1
06045	Thallium	SW-846 6020A	1	172771063902A	10/11/2017 21:47	Bradley M Berlot	1
06048	Vanadium	SW-846 6020A	1	172771063902A	10/11/2017 21:47	Bradley M Berlot	1
06049	Zinc	SW-846 6020A	1	172771063902A	10/11/2017 21:47	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: SC38778-04 Groundwater

ELLE Sample # WW 9240392

Project Name: sc38778

ELLE Group # 1857442

Account # 30891

Collected: 08/31/2017 14:40

Eurofins Spectrum Analytical

Submitted: 09/30/2017 09:55

11 Almgren Drive

Reported: 10/12/2017 14:23

Agawan MA 01001

778-4 SDG#: SAI27-01

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	0.139	0.00072	0.0020	0.0040	1
06026	Barium	7440-39-3	0.0167	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	0.0228	0.00016	0.00050	0.0010	1
06033	Copper	7440-50-8	0.0020 J	0.00054	0.0010	0.0040	1
06035	Lead	7439-92-1	0.00084 J	0.00011	0.00025	0.0020	1
06037	Manganese	7439-96-5	3.10	0.00090	0.0020	0.0040	1
06038	Molybdenum	7439-98-7	0.0012	0.00025	0.00050	0.0010	1
06039	Nickel	7440-02-0	0.0124	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	0.00042 J	0.00021	0.00050	0.0010	1
06049	Zinc	7440-66-6	0.0165 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 21:50	Bradley M Berlot	1
06025	Arsenic	SW-846 6020A	1	172771063902A	10/11/2017 21:50	Bradley M Berlot	1
06026	Barium	SW-846 6020A	1	172771063902D	10/12/2017 05:18	Sarah L Burt	1
06027	Beryllium	SW-846 6020A	1	172771063902A	10/11/2017 21:50	Bradley M Berlot	1
06028	Cadmium	SW-846 6020A	1	172771063902A	10/11/2017 21:50	Bradley M Berlot	1
06031	Chromium	SW-846 6020A	1	172771063902A	10/11/2017 21:50	Bradley M Berlot	1
06032	Cobalt	SW-846 6020A	1	172771063902A	10/11/2017 21:50	Bradley M Berlot	1
06033	Copper	SW-846 6020A	1	172771063902A	10/11/2017 21:50	Bradley M Berlot	1
06035	Lead	SW-846 6020A	1	172771063902A	10/11/2017 21:50	Bradley M Berlot	1
06037	Manganese	SW-846 6020A	1	172771063902A	10/11/2017 21:50	Bradley M Berlot	1
06038	Molybdenum	SW-846 6020A	1	172771063902C	10/11/2017 21:50	Bradley M Berlot	1
06039	Nickel	SW-846 6020A	1	172771063902A	10/11/2017 21:50	Bradley M Berlot	1
06041	Selenium	SW-846 6020A	1	172771063902B	10/11/2017 21:50	Bradley M Berlot	1
06042	Silver	SW-846 6020A	1	172771063902A	10/11/2017 21:50	Bradley M Berlot	1
06045	Thallium	SW-846 6020A	1	172771063902A	10/11/2017 21:50	Bradley M Berlot	1
06048	Vanadium	SW-846 6020A	1	172771063902A	10/11/2017 21:50	Bradley M Berlot	1
06049	Zinc	SW-846 6020A	1	172771063902A	10/11/2017 21:50	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: SC38778-05 Groundwater

ELLE Sample # WW 9240393

Project Name: sc38778

ELLE Group # 1857442

Account # 30891

Collected: 08/31/2017 09:15

Eurofins Spectrum Analytical

Submitted: 09/30/2017 09:55

11 Almgren Drive

Reported: 10/12/2017 14:23

Agawan MA 01001

778-5 SDG#: SAI27-01

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	0.0040 J	0.00072	0.0020	0.0040	1
06026	Barium	7440-39-3	0.0155	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	0.0281	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	0.00022 J	0.00011	0.00025	0.0020	1
06037	Manganese	7439-96-5	2.40	0.00090	0.0020	0.0040	1
06038	Molybdenum	7439-98-7	0.00025 J	0.00025	0.00050	0.0010	1
06039	Nickel	7440-02-0	0.0074	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	0.00033 J	0.00021	0.00050	0.0010	1
06049	Zinc	7440-66-6	0.0187 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 21:59	Bradley M Berlot	1
06025	Arsenic	SW-846 6020A	1	172771063902A	10/11/2017 21:59	Bradley M Berlot	1
06026	Barium	SW-846 6020A	1	172771063902D	10/12/2017 05:24	Sarah L Burt	1
06027	Beryllium	SW-846 6020A	1	172771063902A	10/11/2017 21:59	Bradley M Berlot	1
06028	Cadmium	SW-846 6020A	1	172771063902A	10/11/2017 21:59	Bradley M Berlot	1
06031	Chromium	SW-846 6020A	1	172771063902A	10/11/2017 21:59	Bradley M Berlot	1
06032	Cobalt	SW-846 6020A	1	172771063902A	10/11/2017 21:59	Bradley M Berlot	1
06033	Copper	SW-846 6020A	1	172771063902A	10/11/2017 21:59	Bradley M Berlot	1
06035	Lead	SW-846 6020A	1	172771063902A	10/11/2017 21:59	Bradley M Berlot	1
06037	Manganese	SW-846 6020A	1	172771063902A	10/11/2017 21:59	Bradley M Berlot	1
06038	Molybdenum	SW-846 6020A	1	172771063902C	10/11/2017 21:59	Bradley M Berlot	1
06039	Nickel	SW-846 6020A	1	172771063902A	10/11/2017 21:59	Bradley M Berlot	1
06041	Selenium	SW-846 6020A	1	172771063902B	10/11/2017 21:59	Bradley M Berlot	1
06042	Silver	SW-846 6020A	1	172771063902A	10/11/2017 21:59	Bradley M Berlot	1
06045	Thallium	SW-846 6020A	1	172771063902A	10/11/2017 21:59	Bradley M Berlot	1
06048	Vanadium	SW-846 6020A	1	172771063902A	10/11/2017 21:59	Bradley M Berlot	1
06049	Zinc	SW-846 6020A	1	172771063902A	10/11/2017 21:59	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: SC38778-06 Groundwater

ELLE Sample # WW 9240394

Project Name: sc38778

ELLE Group # 1857442

Account # 30891

Collected: 08/31/2017 15:05

Eurofins Spectrum Analytical

Submitted: 09/30/2017 09:55

11 Almgren Drive

Reported: 10/12/2017 14:23

Agawan MA 01001

778-6 SDG#: SAI27-01

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	0.136	0.00072	0.0020	0.0040	1
06026	Barium	7440-39-3	0.0190	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	0.0734	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	12.9	0.0045	0.0100	0.0200	5
06038	Molybdenum	7439-98-7	0.0037	0.00025	0.00050	0.0010	1
06039	Nickel	7440-02-0	0.0173	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 22:02	Bradley M Berlot	1
06025	Arsenic	SW-846 6020A	1	172771063902A	10/11/2017 22:02	Bradley M Berlot	1
06026	Barium	SW-846 6020A	1	172771063902D	10/12/2017 05:25	Sarah L Burt	1
06027	Beryllium	SW-846 6020A	1	172771063902A	10/11/2017 22:02	Bradley M Berlot	1
06028	Cadmium	SW-846 6020A	1	172771063902A	10/11/2017 22:02	Bradley M Berlot	1
06031	Chromium	SW-846 6020A	1	172771063902A	10/11/2017 22:02	Bradley M Berlot	1
06032	Cobalt	SW-846 6020A	1	172771063902A	10/11/2017 22:02	Bradley M Berlot	1
06033	Copper	SW-846 6020A	1	172771063902A	10/11/2017 22:02	Bradley M Berlot	1
06035	Lead	SW-846 6020A	1	172771063902A	10/11/2017 22:02	Bradley M Berlot	1
06037	Manganese	SW-846 6020A	1	172771063902A	10/12/2017 05:27	Sarah L Burt	5
06038	Molybdenum	SW-846 6020A	1	172771063902C	10/11/2017 22:02	Bradley M Berlot	1
06039	Nickel	SW-846 6020A	1	172771063902A	10/11/2017 22:02	Bradley M Berlot	1
06041	Selenium	SW-846 6020A	1	172771063902B	10/11/2017 22:02	Bradley M Berlot	1
06042	Silver	SW-846 6020A	1	172771063902A	10/11/2017 22:02	Bradley M Berlot	1
06045	Thallium	SW-846 6020A	1	172771063902A	10/11/2017 22:02	Bradley M Berlot	1
06048	Vanadium	SW-846 6020A	1	172771063902A	10/11/2017 22:02	Bradley M Berlot	1
06049	Zinc	SW-846 6020A	1	172771063902A	10/11/2017 22:02	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: SC38778-09 Groundwater

ELLE Sample # WW 9240395

Project Name: sc38778

ELLE Group # 1857442

Account # 30891

Collected: 09/01/2017 09:00

Eurofins Spectrum Analytical

Submitted: 09/30/2017 09:55

11 Almgren Drive

Reported: 10/12/2017 14:23

Agawan MA 01001

778-9 SDG#: SAI27-01

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	0.0029 J	0.00072	0.0020	0.0040	1
06026	Barium	7440-39-3	0.0167	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	0.00050 U	0.00016	0.00050	0.0010	1
06033	Copper	7440-50-8	0.00093 J	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	3.26	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	0.0020 U	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 22:05	Bradley M Berlot	1
06025	Arsenic	SW-846 6020A	1	172771063902A	10/11/2017 22:05	Bradley M Berlot	1
06026	Barium	SW-846 6020A	1	172771063902D	10/12/2017 05:29	Sarah L Burt	1
06027	Beryllium	SW-846 6020A	1	172771063902A	10/11/2017 22:05	Bradley M Berlot	1
06028	Cadmium	SW-846 6020A	1	172771063902A	10/11/2017 22:05	Bradley M Berlot	1
06031	Chromium	SW-846 6020A	1	172771063902A	10/11/2017 22:05	Bradley M Berlot	1
06032	Cobalt	SW-846 6020A	1	172771063902A	10/11/2017 22:05	Bradley M Berlot	1
06033	Copper	SW-846 6020A	1	172771063902A	10/11/2017 22:05	Bradley M Berlot	1
06035	Lead	SW-846 6020A	1	172771063902A	10/11/2017 22:05	Bradley M Berlot	1
06037	Manganese	SW-846 6020A	1	172771063902A	10/11/2017 22:05	Bradley M Berlot	1
06038	Molybdenum	SW-846 6020A	1	172771063902C	10/11/2017 22:05	Bradley M Berlot	1
06039	Nickel	SW-846 6020A	1	172771063902A	10/11/2017 22:05	Bradley M Berlot	1
06041	Selenium	SW-846 6020A	1	172771063902B	10/11/2017 22:05	Bradley M Berlot	1
06042	Silver	SW-846 6020A	1	172771063902A	10/11/2017 22:05	Bradley M Berlot	1
06045	Thallium	SW-846 6020A	1	172771063902A	10/11/2017 22:05	Bradley M Berlot	1
06048	Vanadium	SW-846 6020A	1	172771063902A	10/11/2017 22:05	Bradley M Berlot	1
06049	Zinc	SW-846 6020A	1	172771063902A	10/11/2017 22:05	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: SC38778-10 Groundwater

ELLE Sample # WW 9240396

Project Name: sc38778

ELLE Group # 1857442

Account # 30891

Collected: 09/01/2017 09:07

Eurofins Spectrum Analytical

Submitted: 09/30/2017 09:55

11 Almgren Drive

Reported: 10/12/2017 14:23

Agawan MA 01001

77810 SDG#: SAI27-01

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	0.0048	0.00072	0.0020	0.0040	1
06026	Barium	7440-39-3	0.0172	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	0.0128	0.00016	0.00050	0.0010	1
06033	Copper	7440-50-8	0.0028 J	0.00054	0.0010	0.0040	1
06035	Lead	7439-92-1	0.0013 J	0.00011	0.00025	0.0020	1
06037	Manganese	7439-96-5	2.80	0.00090	0.0020	0.0040	1
06038	Molybdenum	7439-98-7	0.00097 J	0.00025	0.00050	0.0010	1
06039	Nickel	7440-02-0	0.0011 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	0.0331	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 22:08	Bradley M Berlot	1
06025	Arsenic	SW-846 6020A	1	172771063902A	10/11/2017 22:08	Bradley M Berlot	1
06026	Barium	SW-846 6020A	1	172771063902D	10/12/2017 05:31	Sarah L Burt	1
06027	Beryllium	SW-846 6020A	1	172771063902A	10/11/2017 22:08	Bradley M Berlot	1
06028	Cadmium	SW-846 6020A	1	172771063902A	10/11/2017 22:08	Bradley M Berlot	1
06031	Chromium	SW-846 6020A	1	172771063902A	10/11/2017 22:08	Bradley M Berlot	1
06032	Cobalt	SW-846 6020A	1	172771063902A	10/11/2017 22:08	Bradley M Berlot	1
06033	Copper	SW-846 6020A	1	172771063902A	10/11/2017 22:08	Bradley M Berlot	1
06035	Lead	SW-846 6020A	1	172771063902A	10/11/2017 22:08	Bradley M Berlot	1
06037	Manganese	SW-846 6020A	1	172771063902A	10/11/2017 22:08	Bradley M Berlot	1
06038	Molybdenum	SW-846 6020A	1	172771063902C	10/11/2017 22:08	Bradley M Berlot	1
06039	Nickel	SW-846 6020A	1	172771063902A	10/11/2017 22:08	Bradley M Berlot	1
06041	Selenium	SW-846 6020A	1	172771063902B	10/11/2017 22:08	Bradley M Berlot	1
06042	Silver	SW-846 6020A	1	172771063902A	10/11/2017 22:08	Bradley M Berlot	1
06045	Thallium	SW-846 6020A	1	172771063902A	10/11/2017 22:08	Bradley M Berlot	1
06048	Vanadium	SW-846 6020A	1	172771063902A	10/11/2017 22:08	Bradley M Berlot	1
06049	Zinc	SW-846 6020A	1	172771063902A	10/11/2017 22:08	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: SC38778-11 Groundwater

ELLE Sample # WW 9240397

Project Name: sc38778

ELLE Group # 1857442

Account # 30891

Collected: 09/01/2017 09:03

Eurofins Spectrum Analytical

Submitted: 09/30/2017 09:55

11 Almgren Drive

Reported: 10/12/2017 14:23

Agawan MA 01001

77811 SDG#: SAI27-01

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	0.0219	0.00072	0.0020	0.0040	1
06026	Barium	7440-39-3	0.0084	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	0.0051	0.00016	0.00050	0.0010	1
06033	Copper	7440-50-8	0.0016 J	0.00054	0.0010	0.0040	1
06035	Lead	7439-92-1	0.00052 J	0.00011	0.00025	0.0020	1
06037	Manganese	7439-96-5	1.47	0.00090	0.0020	0.0040	1
06038	Molybdenum	7439-98-7	0.00040 J	0.00025	0.00050	0.0010	1
06039	Nickel	7440-02-0	0.0020 U	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 22:12	Bradley M Berlot	1
06025	Arsenic	SW-846 6020A	1	172771063902A	10/11/2017 22:12	Bradley M Berlot	1
06026	Barium	SW-846 6020A	1	172771063902D	10/12/2017 05:33	Sarah L Burt	1
06027	Beryllium	SW-846 6020A	1	172771063902A	10/11/2017 22:12	Bradley M Berlot	1
06028	Cadmium	SW-846 6020A	1	172771063902A	10/11/2017 22:12	Bradley M Berlot	1
06031	Chromium	SW-846 6020A	1	172771063902A	10/11/2017 22:12	Bradley M Berlot	1
06032	Cobalt	SW-846 6020A	1	172771063902A	10/11/2017 22:12	Bradley M Berlot	1
06033	Copper	SW-846 6020A	1	172771063902A	10/11/2017 22:12	Bradley M Berlot	1
06035	Lead	SW-846 6020A	1	172771063902A	10/11/2017 22:12	Bradley M Berlot	1
06037	Manganese	SW-846 6020A	1	172771063902A	10/11/2017 22:12	Bradley M Berlot	1
06038	Molybdenum	SW-846 6020A	1	172771063902C	10/11/2017 22:12	Bradley M Berlot	1
06039	Nickel	SW-846 6020A	1	172771063902A	10/11/2017 22:12	Bradley M Berlot	1
06041	Selenium	SW-846 6020A	1	172771063902B	10/11/2017 22:12	Bradley M Berlot	1
06042	Silver	SW-846 6020A	1	172771063902A	10/11/2017 22:12	Bradley M Berlot	1
06045	Thallium	SW-846 6020A	1	172771063902A	10/11/2017 22:12	Bradley M Berlot	1
06048	Vanadium	SW-846 6020A	1	172771063902A	10/11/2017 22:12	Bradley M Berlot	1
06049	Zinc	SW-846 6020A	1	172771063902A	10/11/2017 22:12	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: SC38778-12 Groundwater

ELLE Sample # WW 9240398

Project Name: sc38778

ELLE Group # 1857442

Account # 30891

Collected: 09/01/2017 10:00

Eurofins Spectrum Analytical

Submitted: 09/30/2017 09:55

11 Almgren Drive

Reported: 10/12/2017 14:23

Agawan MA 01001

77812 SDG#: SAI27-01

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	0.0020 U	0.00072	0.0020	0.0040	1
06026	Barium	7440-39-3	0.0020 U	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	0.00050 U	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	0.0020 U	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	0.0020 U	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 22:15	Bradley M Berlot	1
06025	Arsenic	SW-846 6020A	1	172771063902A	10/11/2017 22:15	Bradley M Berlot	1
06026	Barium	SW-846 6020A	1	172771063902D	10/11/2017 22:15	Bradley M Berlot	1
06027	Beryllium	SW-846 6020A	1	172771063902A	10/11/2017 22:15	Bradley M Berlot	1
06028	Cadmium	SW-846 6020A	1	172771063902A	10/11/2017 22:15	Bradley M Berlot	1
06031	Chromium	SW-846 6020A	1	172771063902A	10/11/2017 22:15	Bradley M Berlot	1
06032	Cobalt	SW-846 6020A	1	172771063902A	10/11/2017 22:15	Bradley M Berlot	1
06033	Copper	SW-846 6020A	1	172771063902A	10/11/2017 22:15	Bradley M Berlot	1
06035	Lead	SW-846 6020A	1	172771063902A	10/11/2017 22:15	Bradley M Berlot	1
06037	Manganese	SW-846 6020A	1	172771063902A	10/11/2017 22:15	Bradley M Berlot	1
06038	Molybdenum	SW-846 6020A	1	172771063902C	10/11/2017 22:15	Bradley M Berlot	1
06039	Nickel	SW-846 6020A	1	172771063902A	10/11/2017 22:15	Bradley M Berlot	1
06041	Selenium	SW-846 6020A	1	172771063902B	10/11/2017 22:15	Bradley M Berlot	1
06042	Silver	SW-846 6020A	1	172771063902A	10/11/2017 22:15	Bradley M Berlot	1
06045	Thallium	SW-846 6020A	1	172771063902A	10/11/2017 22:15	Bradley M Berlot	1
06048	Vanadium	SW-846 6020A	1	172771063902A	10/11/2017 22:15	Bradley M Berlot	1
06049	Zinc	SW-846 6020A	1	172771063902A	10/11/2017 22:15	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: SC38778-01 Grab Water

ELLE Sample # WW 9192985

Project Name: WE15 Tank Farm 1 NAVSTA Newport

ELLE Group # 1846532

Account # 30891

Collected: 08/31/2017 16:22

Eurofins Spectrum Analytical

Submitted: 09/06/2017 09:50

646 Camp Ave

Reported: 09/19/2017 07:11

North Kingstown RI 02582

O3801 SDG#: THO38-01

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.	0.10 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	4	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	8	0.5	2	2	1
10954	Perfluorohexanesulfonate	355-46-4	19	1	3	3	1
10954	Perfluorohexanoic acid	307-24-4	15	0.6	2	2	1
10954	Perfluorononanoic acid	375-95-1	2 U	0.6	2	2	1
10954	Perfluorooctanesulfonate	1763-23-1	6 U	2	6	6	1
10954	Perfluorooctanoic acid	335-67-1	12	0.6	2	2	1
10954	Perfluoropentanoic Acid	2706-90-3	16	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	172490041A	09/08/2017 11:57	Timothy M Emrick	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	172490041A	09/07/2017 08:00	Kayla A Yuditsky	1
10954	PFAS in Water by LC/MS/MS	EPA 537 Version 1.1 Modified	1	17250004	09/12/2017 11:56	Devon M Whooley	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	17250004	09/10/2017 08:15	Danielle D McCully	1

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

Sample Description: SC38778-02 Grab Water

ELLE Sample # WW 9192986

Project Name: WE15 Tank Farm 1 NAVSTA Newport

ELLE Group # 1846532

Account # 30891

Collected: 08/31/2017 10:56

Eurofins Spectrum Analytical

Submitted: 09/06/2017 09:50

646 Camp Ave

Reported: 09/19/2017 07:11

North Kingstown RI 02582

O3802 SDG#: THO38-02

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.	0.31	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	23	0.8	3	3	1
10954	Perfluorobutanoic Acid	375-22-4	45	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	27	0.5	2	2	1
10954	Perfluorohexanesulfonate	355-46-4	98	1	3	3	1
10954	Perfluorohexanoic acid	307-24-4	140	0.6	2	2	1
10954	Perfluorononanoic acid	375-95-1	2 J	0.6	2	2	1
10954	Perfluorooctanesulfonate	1763-23-1	19	2	6	6	1
10954	Perfluorooctanoic acid	335-67-1	85	0.6	2	2	1
10954	Perfluoropentanoic Acid	2706-90-3	110	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	172490041A	09/08/2017 12:40	Timothy M Emrick	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	172490041A	09/07/2017 08:00	Kayla A Yuditsky	1
10954	PFAS in Water by LC/MS/MS	EPA 537 Version 1.1 Modified	1	17250004	09/12/2017 12:16	Devon M Whooley	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	17250004	09/10/2017 08:15	Danielle D McCully	1

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

Sample Description: SC38778-03 Grab Water

ELLE Sample # WW 9192987

Project Name: WE15 Tank Farm 1 NAVSTA Newport

ELLE Group # 1846532

Account # 30891

Collected: 08/31/2017

Eurofins Spectrum Analytical

Submitted: 09/06/2017 09:50

646 Camp Ave

Reported: 09/19/2017 07:11

North Kingstown RI 02582

O3803 SDG#: THO38-03

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.	0.44	0.051	0.10	0.21	1
02740	Total TPH	n.a.	0.44	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	23	0.8	3	3	1
10954	Perfluorobutanoic Acid	375-22-4	45	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	29	0.5	2	2	1
10954	Perfluorohexanesulfonate	355-46-4	95	1	3	3	1
10954	Perfluorohexanoic acid	307-24-4	130	0.6	2	2	1
10954	Perfluorononanoic acid	375-95-1	2	0.6	2	2	1
10954	Perfluoro-octanesulfonate	1763-23-1	20	2	6	6	1
10954	Perfluorooctanoic acid	335-67-1	82	0.6	2	2	1
10954	Perfluoropentanoic Acid	2706-90-3	100	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	172490041A	09/08/2017 13:01	Timothy M Emrick	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	172490041A	09/07/2017 08:00	Kayla A Yuditsky	1
10954	PFAS in Water by LC/MS/MS	EPA 537 Version 1.1 Modified	1	17250004	09/12/2017 12:37	Devon M Whooley	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	17250004	09/10/2017 08:15	Danielle D McCully	1

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

Sample Description: SC38778-04 Grab Water

ELLE Sample # WW 9192988

Project Name: WE15 Tank Farm 1 NAVSTA Newport

ELLE Group # 1846532

Account # 30891

Collected: 08/31/2017 14:40

Eurofins Spectrum Analytical

Submitted: 09/06/2017 09:50

646 Camp Ave

Reported: 09/19/2017 07:11

North Kingstown RI 02582

O3804 SDG#: THO38-04

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.	7.0	0.25	0.51	1.0	5
02740	Total TPH	n.a.	7.0	0.25	0.51	1.0	5
Misc. Organics		EPA 537 Version 1.1 Modified	ng/l	ng/l	ng/l	ng/l	
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	6	0.5	2	2	1
10954	Perfluorohexanesulfonate	355-46-4	13	1	3	3	1
10954	Perfluorohexanoic acid	307-24-4	9	0.6	2	2	1
10954	Perfluorononanoic acid	375-95-1	1 J	0.6	2	2	1
10954	Perfluoro-octanesulfonate	1763-23-1	3 J	2	6	6	1
10954	Perfluorooctanoic acid	335-67-1	8	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	172490041A	09/11/2017 18:39	Timothy M Emrick	5
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	172490041A	09/07/2017 08:00	Kayla A Yuditsky	1
10954	PFAS in Water by LC/MS/MS	EPA 537 Version 1.1 Modified	1	17250004	09/12/2017 12:57	Devon M Whooley	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	17250004	09/10/2017 08:15	Danielle D McCully	1

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

Sample Description: SC38778-05 Grab Water

ELLE Sample # WW 9192989

Project Name: WE15 Tank Farm 1 NAVSTA Newport

ELLE Group # 1846532

Account # 30891

Collected: 08/31/2017 09:15

Eurofins Spectrum Analytical

Submitted: 09/06/2017 09:50

646 Camp Ave

Reported: 09/19/2017 07:11

North Kingstown RI 02582

03805 SDG#: THO38-05

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 J	0.059	0.12	0.23	1
02740	Total TPH	n.a.	0.10 J	0.059	0.12	0.23	1
Misc. Organics		EPA 537 Version 1.1 Modified	ng/l	ng/l	ng/l	ng/l	
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	0.6 J	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	0.9 J	0.5	2	2	1
10954	Perfluorohexanesulfonate	355-46-4	3 U	1	3	3	1
10954	Perfluorohexanoic acid	307-24-4	0.7 J	0.6	2	2	1
10954	Perfluorononanoic acid	375-95-1	0.8 J	0.6	2	2	1
10954	Perfluoro-octanesulfonate	1763-23-1	2 J	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
02740	Custom TPH with Ranges (Water)	SW-846 8015B	1	172490041A	09/08/2017 13:23	Timothy M Emrick	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	172490041A	09/07/2017 08:00	Kayla A Yuditsky	1
10954	PFAS in Water by LC/MS/MS	EPA 537 Version 1.1 Modified	1	17250004	09/12/2017 13:18	Devon M Whooley	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	17250004	09/10/2017 08:15	Danielle D McCully	1

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

Sample Description: SC38778-06 Grab Water

ELLE Sample # WW 9192990

Project Name: WE15 Tank Farm 1 NAVSTA Newport

ELLE Group # 1846532

Account # 30891

Collected: 08/31/2017 15:05

Eurofins Spectrum Analytical

Submitted: 09/06/2017 09:50

646 Camp Ave

Reported: 09/19/2017 07:11

North Kingstown RI 02582

O3806 SDG#: THO38-06

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.	0.20 J	0.055	0.11	0.22	1
02740	Total TPH	n.a.	0.20 J	0.055	0.11	0.22	1
Misc. Organics		EPA 537 Version 1.1 Modified	ng/l	ng/l	ng/l	ng/l	
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	1 J	0.5	2	2	1
10954	Perfluorohexanesulfonate	355-46-4	2 J	1	3	3	1
10954	Perfluorohexanoic acid	307-24-4	2	0.6	2	2	1
10954	Perfluorononanoic acid	375-95-1	2 U	0.6	2	2	1
10954	Perfluorooctanesulfonate	1763-23-1	5 J	2	6	6	1
10954	Perfluorooctanoic acid	335-67-1	5	0.6	2	2	1
10954	Perfluoropentanoic Acid	2706-90-3	2	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	172490041A	09/08/2017 13:45	Timothy M Emrick	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	172490041A	09/07/2017 08:00	Kayla A Yuditsky	1
10954	PFAS in Water by LC/MS/MS	EPA 537 Version 1.1 Modified	1	17250004	09/12/2017 13:39	Devon M Whooley	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	17250004	09/10/2017 08:15	Danielle D McCully	1

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

Sample Description: SC38778-07 Grab Water

ELLE Sample # WW 9192991

Project Name: WE15 Tank Farm 1 NAVSTA Newport

ELLE Group # 1846532

Account # 30891

Collected: 08/31/2017 15:05

Eurofins Spectrum Analytical

Submitted: 09/06/2017 09:50

646 Camp Ave

Reported: 09/19/2017 07:11

North Kingstown RI 02582

O3807 SDG#: THO38-07

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	7	2	6	6	1
10954	Perfluorooctanoic acid	335-67-1	4	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	17250004	09/12/2017 13:59	Devon M Whooley	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	17250004	09/10/2017 08:15	Danielle D McCully	1

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

Sample Description: SC38778-09 Grab Water

ELLE Sample # WW 9192992

Project Name: WE15 Tank Farm 1 NAVSTA Newport

ELLE Group # 1846532

Account # 30891

Collected: 09/01/2017 09:00

Eurofins Spectrum Analytical

Submitted: 09/06/2017 09:50

646 Camp Ave

Reported: 09/19/2017 07:11

North Kingstown RI 02582

03808 SDG#: THO38-08

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.	1.3	0.054	0.11	0.22	1
02740	Total TPH	n.a.	1.3	0.054	0.11	0.22	1
Misc. Organics		EPA 537 Version 1.1 Modified	ng/l	ng/l	ng/l	ng/l	
10954	Perfluorobutanesulfonate	375-73-5	74	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	35	2	6	6	1
10954	Perfluoroheptanoic acid	375-85-9	17	0.5	2	2	1
10954	Perfluorohexanesulfonate	355-46-4	720	1	3	3	1
10954	Perfluorohexanoic acid	307-24-4	150	0.6	2	2	1
10954	Perfluorononanoic acid	375-95-1	1 J	0.6	2	2	1
10954	Perfluoro-octanesulfonate	1763-23-1	1,400	20	60	60	10
10954	Perfluorooctanoic acid	335-67-1	44	0.6	2	2	1
10954	Perfluoropentanoic Acid	2706-90-3	34	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	172490041A	09/08/2017 14:06	Timothy M Emrick	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	172490041A	09/07/2017 08:00	Kayla A Yuditsky	1
10954	PFAS in Water by LC/MS/MS	EPA 537 Version 1.1 Modified	1	17250004	09/12/2017 14:20	Devon M Whooley	1
10954	PFAS in Water by LC/MS/MS	EPA 537 Version 1.1 Modified	1	17250004	09/12/2017 20:02	Devon M Whooley	10
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	17250004	09/10/2017 08:15	Danielle D McCully	1

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

Sample Description: SC38778-10 Grab Water

ELLE Sample # WW 9192993

Project Name: WE15 Tank Farm 1 NAVSTA Newport

ELLE Group # 1846532

Account # 30891

Collected: 09/01/2017 09:07

Eurofins Spectrum Analytical

Submitted: 09/06/2017 09:50

646 Camp Ave

Reported: 09/19/2017 07:11

North Kingstown RI 02582

03809 SDG#: THO38-09

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.	0.42	0.051	0.10	0.20	1
02740	Total TPH	n.a.	0.42	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	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	Perfluorooctanesulfonate	1763-23-1	3 J	2	6	6	1
10954	Perfluorooctanoic acid	335-67-1	4	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
02740	Custom TPH with Ranges (Water)	SW-846 8015B	1	172490041A	09/08/2017 14:28	Timothy M Emrick	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	172490041A	09/07/2017 08:00	Kayla A Yuditsky	1
10954	PFAS in Water by LC/MS/MS	EPA 537 Version 1.1 Modified	1	17250004	09/12/2017 14:40	Devon M Whooley	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	17250004	09/10/2017 08:15	Danielle D McCully	1

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

Sample Description: SC38778-11 Grab Water

ELLE Sample # WW 9192994

Project Name: WE15 Tank Farm 1 NAVSTA Newport

ELLE Group # 1846532

Account # 30891

Collected: 09/01/2017 09:03

Eurofins Spectrum Analytical

Submitted: 09/06/2017 09:50

646 Camp Ave

Reported: 09/19/2017 07:11

North Kingstown RI 02582

03810 SDG#: THO38-10

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	0.052	0.10	0.21	1
02740	Total TPH	n.a.	0.31	0.052	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 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	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	3 J	1	3	3	1
10954	Perfluorohexanoic acid	307-24-4	3	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	3	0.6	2	2	1
10954	Perfluoropentanoic Acid	2706-90-3	3	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	172490041A	09/08/2017 14:49	Timothy M Emrick	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	172490041A	09/07/2017 08:00	Kayla A Yuditsky	1
10954	PFAS in Water by LC/MS/MS	EPA 537 Version 1.1 Modified	1	17250004	09/12/2017 15:01	Devon M Whooley	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	17250004	09/10/2017 08:15	Danielle D McCully	1

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

Sample Description: SC38778-12 Grab Water

ELLE Sample # WW 9192995

Project Name: WE15 Tank Farm 1 NAVSTA Newport

ELLE Group # 1846532

Account # 30891

Collected: 09/01/2017 10:00

Eurofins Spectrum Analytical

Submitted: 09/06/2017 09:50

646 Camp Ave

Reported: 09/19/2017 07:11

North Kingstown RI 02582

03811 SDG#: THO38-11

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 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	0.6 J	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
02740	Custom TPH with Ranges (Water)	SW-846 8015B	1	172490041A	09/08/2017 15:22	Timothy M Emrick	1
11181	Custom TPH w/ Ranges Water Ext	SW-846 3510C	1	172490041A	09/07/2017 08:00	Kayla A Yuditsky	1
10954	PFAS in Water by LC/MS/MS	EPA 537 Version 1.1 Modified	1	17250004	09/12/2017 16:02	Devon M Whooley	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	17250004	09/10/2017 08:15	Danielle D McCully	1

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

Sample Description: SC38778-13 Grab Water

ELLE Sample # WW 9192996

Project Name: WE15 Tank Farm 1 NAVSTA Newport

ELLE Group # 1846532

Account # 30891

Collected: 09/01/2017 09:07

Eurofins Spectrum Analytical

Submitted: 09/06/2017 09:50

646 Camp Ave

Reported: 09/19/2017 07:11

North Kingstown RI 02582

03812 SDG#: THO38-12

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	1 J	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	17250004	09/12/2017 16:23	Devon M Whooley	1
14091	PFAS Water Prep	EPA 537 Version 1.1 Modified	1	17250004	09/10/2017 08:15	Danielle D McCully	1

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

APPENDIX C

SUPPORT DOCUMENTATION

ANALYTE	ORIGINAL	DUPLICATE	RL	RPD	RPD > 30%
ARSENIC	0.0288	0.0277	0.004	3.89	FALSE
BARIUM	0.0052	0.004	0.004	26.09	FALSE
CALCIUM	7.82	7.52	0.2	3.91	FALSE
COBALT	0.0135	0.0138	0.001	2.20	FALSE
MAGNESIUM	6.97	6.89	0.02	1.15	FALSE
MANGANESE	3.37	3.34	0.004	0.89	FALSE
NICKEL	0.0102	0.01	0.004	1.98	FALSE
POTASSIUM	1.09	1.09	1	0.00	FALSE
ZINC	0.008	0.0067	0.03	17.69	FALSE
ALKALINITY	47.9	41.8	2	13.60	FALSE
BIOCHEMICAL OXYGEN DEMAND	8	7	3	13.33	FALSE
CHLORIDE	31.4	33.1	1	5.27	FALSE
NITRATE-N	0.1	0.016	0.1	144.83	TRUE
SULFATE	3.03	3.61	1	17.47	FALSE
TOTAL ORGANIC CARBON	2.24	2.26	1	0.89	FALSE
METHANE	2.2	350	2.2	197.50	TRUE
TPH (C08-C44)	0.44	0.31	0.2	34.67	TRUE
PENTADEC AFLUORO OCTANOIC ACID	82	85	2	3.59	FALSE
PERFLUOROBUTANESULFONIC ACID	23	23	3	0.00	FALSE
PERFLUOROBUTANOIC ACID	45	45	10	0.00	FALSE
PERFLUORODECANOIC ACID	0	2	2	200.00	TRUE
PERFLUOROHEPTANOIC ACID	29	27	2	7.14	FALSE
PERFLUOROHXANESULFONIC ACID	95	98	3	3.11	FALSE
PERFLUOROHXANOIC ACID	130	140	2	7.41	FALSE
PERFLUORONONANOIC ACID	2	2	2	0.00	FALSE
PERFLUORO OCTANE SULFONIC ACID	20	19	6	5.13	FALSE
PERFLUOROPENTANOIC ACID	100	110	2	9.52	FALSE
IRON	14.3	13.6	0.08	5.02	FALSE
SODIUM	16.8	16.2	0.5	3.64	FALSE

ORIGINAL SAMPLE CONC >2xRL	DUPLICATE SAMPLE CONC >2xRL	DIFFERENCE >2xRL
TRUE	TRUE	FALSE
FALSE	FALSE	FALSE
TRUE	TRUE	FALSE
TRUE	TRUE	FALSE
TRUE	TRUE	TRUE
TRUE	TRUE	TRUE
FALSE	FALSE	FALSE
FALSE	FALSE	FALSE
TRUE	TRUE	TRUE
TRUE	TRUE	FALSE
TRUE	TRUE	FALSE
TRUE	TRUE	FALSE
FALSE	FALSE	FALSE
TRUE	TRUE	FALSE
TRUE	TRUE	FALSE
FALSE	TRUE	TRUE
TRUE	FALSE	FALSE
TRUE	TRUE	FALSE
TRUE	TRUE	FALSE
TRUE	TRUE	TRUE
FALSE	FALSE	FALSE
TRUE	TRUE	FALSE
TRUE	TRUE	TRUE
TRUE	TRUE	TRUE
TRUE	TRUE	FALSE

SDG SC38778

TF1-DUP-02-091217/TF1-GT-110-083117



Spectrum Analytical

CHAIN OF CUSTODY RECORD

Page 1 of 4

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
SUITE 2B
SALEM NH 03079
Telephone #: 603-328-1469
Project Mgr: STEVE PARKER

Invoice To: MIKE DREYDEN
EARTH TOXICS INC.
8275 S. EASTERN AVE
LAS VEGAS NV 89123
P.O No.: _____ Quote #: _____

Project No: 112608005-WE15
Site Name: TANK FARM 1, NAUSTA NEWPORT
Location: PORTSMOUTH State: RI
Sampler(s): D. WHALEN, W. PRYOR
K. LAMONTAGNE

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

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	Matr	# of V	# of A	# of C	# of PP	TPH	SUCCE (6)	TAL (6)	TCL (6)	Anion (5210)	TOC	Diss (6)	PFAS (6)	Check	
38778-01	TFI-EBP-GT124R-083117	8-31-17	1622	G	GW	7	6		5	✓	✓	✓	✓	✓	✓	✓	✓	✓	☐
-02	TFI-GT-110-083117		1056	G	GW	7	8		5	✓	✓	✓	✓	✓	✓	✓	✓	✓	☐
-03	TFI-DVP-02-083117		0000	G	GW	7	8		5	✓	✓	✓	✓	✓	✓	✓	✓	✓	☐
-04	TFI-GT-128-083117		1440	G	GW	7	8		5	✓	✓	✓	✓	✓	✓	✓	✓	✓	☐
-05	TFI-GZ-114-083117		0915	G	GW	7	6		5	✓	✓	✓	✓	✓	✓	✓	✓	✓	☐
-06	TFI-GZ-117-083117		1505	G	GW	7	6		5	✓	✓	✓	✓	✓	✓	✓	✓	✓	☐
-07	TFI-FRB-083117		1505	G	X1				2									✓	☐
-08	TFI-TB-083117	✓	0800	G	X1	1							✓						☐
-09	TFI-GT-112-090117	9-1-17	0900	G	GW	7	6		5	✓	✓	✓	✓	✓	✓	✓	✓	✓	☐
-10	TFI-GT-120-090117	9-1-17	0907	G	GW	7	6		5	✓	✓	✓	✓	✓	✓	✓	✓	✓	☐

Relinquished by:

Received by:

Date:

Time:

Temp °C

☒ EDD format:☒ E-mail to:stephen.parker@tetratech.com

Observed

Correction Factor

Corrected

IR ID #

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 4

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
SUITE 2B
SALEM NH 03079
 Telephone #: 603-328-1469
 Project Mgr: STEVE PARKER

Invoice To: MIKE DREYDEN
EARTH TOXICS INC.
2275 S. EASTERN AVE.
LAS VEGAS NV 89123
 P.O No.: _____ Quote #: _____

Project No: 112608005 - WEIS
 Site Name: TANK FARM 1, NAUSTA NEWPORT
 Location: PORTSMOUTH State: NH
 Sampler(s): D. WHALEN, W. PRYOR
K. LAMONTAGNE

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: _____
 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=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matr	# of V	# of A	# of C	# of P		TPH	SIOC (8270)	TAL (6020)	TCL (8260)	Ambis (5710)	TOC	Diss (R34-175)	PFA	Check	☐ Other: _____ State-specific reporting standards:	
38778-11	TFI-GT-131-090117	9-1-17	0903	G	GW	7	6		5		✓	✓	✓	✓	✓	✓	✓	✓	✓	☐	
↓ 12	TFI-RB-090117	9-1-17	1000	G	X1	7	6		5		✓	✓	✓	✓	✓	✓	✓	✓	✓	☐	
↓ 13	TFI-FRB-090117	9-1-17	0907	G	X1				2										✓	☐	
																				☐	
																				☐	
																				☐	
																				☐	
																				☐	
																				☐	
																				☐	
																				☐	
																				☐	
																				☐	

Relinquished by:

Received by:

Date:

Time:

Temp °C

☒ EDD format:☒ E-mail to: stephen.parker@tetra.tech.com

Observed

Correction Factor

Corrected

IR ID #

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen



Spectrum Analytical

CHAIN OF CUSTODY RECORD

Page 3 of 4

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 TECH5 INDUSTRIAL WAY.SUITE 2BSALEM NH 03079Telephone #: 603-328-1469Project Mgr: STEVE PARKERInvoice To: MIKE DREYDENEARTH TOXICS INC.8275 S. EASTERN AVELAS VEGAS NV 89123

P.O. No.: _____

Quote #: _____

Project No: 112608005-WEISSite Name: TANK FARM 1, NAVSTA NEWPORTLocation: PORTSMOUTHState: RISampler(s): D. WHALEN, W. PRYOR,K. LAMONTAGNEF=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= _____

G=Grab

C=Composite

Containers

Analysis

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Pesticides (8081B)	PCBs (Arelers, 8082A)	Check if chlorinated
38718-01	TFI-EBP-GT124R-083117	8-31-17	1622	G	GW	7	6		5	✓		☐
-02	TFI-GT-110-083117		1056	G	GW	7	8		5	✓	✓	☐
-03	TFI-DVP-02-083117		0000	G	GW	7	8		5	✓	✓	☐
-04	TFI-GT-128-083117		1440	G	GW	7	5		5	✓		☐
-05	TFI-GZ-114-083117		0915	G	GW	7	6		5	✓		☐
-06	TFI-GZ-117-083117		1505	G	GW	7	6		5	✓		☐
-07	TFI-FRB-083117		1505	G	XI				2			☐
-08	TFI-TB-083117	✓	0800	G	XI	1						☐
✓ -09	TFI-GT-112-090117	9-1-17	0900	G	GW	7	6		5	✓		☐
-10	TFI-GT-120-090117	9-1-17	0907	G	GW	7	6		5	✓		☐

Relinquished by:

Received by:

Date:

Time:

Temp °C

☒ EDD format:☒ E-mail to:stephen.parker@tetratech.com

Observed

Correction Factor

Corrected

IR ID #

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

SDGSC38778

SC38778 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 four QC samples and nine Ground Water samples submitted on September 1st, 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: 12/14/2017

Sample Identification and Analytical Requirements Summary

Project Name: WE15 Tank Farm 1 NAVSTA Newport

SDG:

SC38778

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		VOC Method #	SVOC Method #	GC Method #	Metals	Other
TF1-EBP-GT124R-08311	SC38778-01	SW846 8260C	8015DM SW846 8270D	SW846 8081B	EPA 245.1/7470A SW846 6010C SW846 6020A	EPA 300.0 EPA 537 Rev. 1.1 modified Mod EPA 3C/SOP RSK-175 SM18-22 5210B SM2320B (97, 11) SM5310B (00, 11)
TF1-GT-110-083117	SC38778-02	SW846 8260C	8015DM SW846 8270D	SW846 8081B SW846 8082A	EPA 245.1/7470A SW846 6010C SW846 6020A	EPA 300.0 EPA 537 Rev. 1.1 modified Mod EPA 3C/SOP RSK-175 SM18-22 5210B SM2320B (97, 11) SM5310B (00, 11)
TF1-DUP-02-083117	SC38778-03	SW846 8260C	8015DM SW846 8270D	SW846 8081B SW846 8082A	EPA 245.1/7470A SW846 6010C SW846 6020A	EPA 300.0 EPA 537 Rev. 1.1 modified Mod EPA 3C/SOP RSK-175 SM18-22 5210B SM2320B (97, 11) SM5310B (00, 11)
TF1-GT-128-083117	SC38778-04	SW846 8260C	8015DM SW846 8270D	SW846 8081B	EPA 245.1/7470A SW846 6010C SW846 6020A	EPA 300.0 EPA 537 Rev. 1.1 modified Mod EPA 3C/SOP RSK-175 SM18-22 5210B SM2320B (97, 11) SM5310B (00, 11)
TF1-GZ-114-083117	SC38778-05	SW846 8260C	8015DM SW846 8270D	SW846 8081B	EPA 245.1/7470A SW846 6010C SW846 6020A	EPA 300.0 EPA 537 Rev. 1.1 modified Mod EPA 3C/SOP RSK-175 SM18-22 5210B SM2320B (97, 11) SM5310B (00, 11)
TF1-GZ-117-083117	SC38778-06	SW846 8260C	8015DM SW846 8270D	SW846 8081B	EPA 245.1/7470A SW846 6010C SW846 6020A	EPA 300.0 EPA 537 Rev. 1.1 modified Mod EPA 3C/SOP RSK-175 SM18-22 5210B SM2320B (97, 11) SM5310B (00, 11)

Sample Identification and Analytical Requirements Summary

Project Name: WE15 Tank Farm 1 NAVSTA Newport

SDG:

SC38778

Customer Sample ID	Laboratory Sample ID	Analytical Requirements				
		VOC Method #	SVOC Method #	GC Method #	Metals	Other
TF1-FRB-083117	SC38778-07					EPA 537 Rev. 1.1 modified
TF1-TB-083117	SC38778-08	SW846 8260C				
TF1-GT-112-090117	SC38778-09	SW846 8260C	8015DM SW846 8270D	SW846 8081B	EPA 245.1/7470A SW846 6010C SW846 6020A	EPA 300.0 EPA 537 Rev. 1.1 modified Mod EPA 3C/SOP RSK-175 SM18-22 5210B SM2320B (97, 11) SM5310B (00, 11)
TF1-GT-120-090117	SC38778-10	SW846 8260C	8015DM SW846 8270D	SW846 8081B	EPA 245.1/7470A SW846 6010C SW846 6020A	EPA 300.0 EPA 537 Rev. 1.1 modified Mod EPA 3C/SOP RSK-175 SM18-22 5210B SM2320B (97, 11) SM5310B (00, 11)
TF1-GT-131-090117	SC38778-11	SW846 8260C	8015DM SW846 8270D	SW846 8081B	EPA 245.1/7470A SW846 6010C SW846 6020A	EPA 300.0 EPA 537 Rev. 1.1 modified Mod EPA 3C/SOP RSK-175 SM18-22 5210B SM2320B (97, 11) SM5310B (00, 11)
TF1-RB-090117	SC38778-12	SW846 8260C	8015DM SW846 8270D	SW846 8081B	EPA 245.1/7470A SW846 6010C SW846 6020A	EPA 300.0 EPA 537 Rev. 1.1 modified Mod EPA 3C/SOP RSK-175 SM18-22 5210B SM2320B (97, 11) SM5310B (00, 11)
TF1-FRB-090117	SC38778-13					EPA 537 Rev. 1.1 modified

Notes and Definitions

Alk	Alkalinity is determined when the sample pH is greater than 4.5. This sample had a pH less than 4.5
BOD3	Test replicates show more than 30% difference between high and low BOD values. While the average of the replicates has been reported, the difference may indicate the presence of a toxic substance.
BOD4	Any difference greater than 30% between the high and low dilutions may indicate the presence of a toxic substance. For this sample, one or more of the dilutions is out of acceptance range and cannot be used to determine the % difference.
CRL3	Low level calibration check failed, reporting limit has been elevated.
D	Data reported from a dilution
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM8	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.
QM9	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.
QR2	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.
QR5	RPD out of acceptance range.
R06	MRL raised to correlate to batch QC reporting limits.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
SGC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
BRL	Below the reporting limit and also indicates there are no detections between the MDL and LOQ.
LOD	Limit of Detection
LOQ	Limit of Quantitation

RPD is calculated based on final result.

Form I 'Q' column

B	The analyte was found in the associated blank as well as the sample.
D	All identified compounds in the analysis are at a secondary dilution factor.
E	The identified compound's concentration exceeds the calibration range of the instrument for this specific analysis.
F	The parameter was positively identified but the associated numerical value is below the LOQ.
J	Compound detected but below the LOQ and above the minimum detection limit (MDL); therefore, the result is an estimated concentration.
N	Included for TIC that indicates presumptive evidence of a compound.
P	Used for a Dual Column target analyte when the concentration difference between the two GC columns is greater than 40%.
U	Compound was analyzed for but not detected. Samples were reported to the LOD.

Form IIa 'Method' column

This column refers to the instrument used for analysis:

IR	Iris ICP
MS	Thermo ICP/MS

AV Mercury analyzer

Form VI 'Q' column

* indicates that:
Mean RF is above the value in the LIMIT column, or
Linear COD is below the value in the LIMIT column, or
Quad COD is below the value in the LIMIT column

Form VII 'Type' column

A Average of response factor

L Linear regression

Q Quadratic equation

Form VIII 'Q' column for Inorganics

E The dilution analysis is not within a control limit of 10%, therefore a chemical or physical interference effect must be suspected.

CROSS REFERENCE TABLE

SW846 8260C

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC38778</u>
Client:	<u>Tetra Tech, Inc. - Salem, NH</u>	Project:	<u>WE15 Tank Farm 1 NAVSTA Newport</u>
Project Number:	<u>112608005-WE15</u>		

Client Sample ID:

Lab Sample ID:

TF1-EBP-GT124R-083117

SC38778-01

TF1-GT-110-083117

SC38778-02

TF1-DUP-02-083117

SC38778-03

TF1-GT-128-083117

SC38778-04

TF1-GZ-114-083117

SC38778-05

TF1-GZ-117-083117

SC38778-06

TF1-TB-083117

SC38778-08

TF1-GT-112-090117

SC38778-09

TF1-GT-120-090117

SC38778-10

TF1-GT-131-090117

SC38778-11

TF1-RB-090117

SC38778-12

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport / 112608005-WE15

SDG #: SC38778

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:

HPV3 details: GC/MS EST Centurion Autosampler
EST Evolution Sample Concentrator
Supelco vocarb 3000 (K) 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 1709004:

Analyte quantified by quadratic type calibration: 1,2,3-Trichlorobenzene, 2-Hexanone (MBK), Bromoform, cis-1,3-Dichloropropene, Dibromochloromethane, trans-1,3-Dichloropropene

This affected the following samples:

TF1-GT-112-090117, 1715452-BS1, 1715452-BSD1, S707839-ICV1, S708033-CCV1, S708033-CCV2, TF1-DUP-02-083117, 1715452-BLK1, TF1-GT-110-083117, TF1-TB-083117, TF1-GT-120-090117, TF1-GT-128-083117, TF1-GT-131-090117, TF1-GZ-114-083117, TF1-GZ-117-083117, TF1-RB-090117, TF1-EBP-GT124R-083117

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):

No matrix spike or matrix spike duplicates were analyzed.

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: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Client ID	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	Total Out
Blank (1715452-BLK1)	106	100	102	100			0
LCS (1715452-BS1)	105	101	100	99			0
LCS Dup (1715452-BSD1)	101	99	100	99			0
TF1-EBP-GT124R-083117 (SC38778-01)	104	98	99	96			0
TF1-GT-110-083117 (SC38778-02)	102	97	99	97			0
TF1-DUP-02-083117 (SC38778-03)	102	102	102	98			0
TF1-GT-128-083117 (SC38778-04)	104	100	100	98			0
TF1-GZ-114-083117 (SC38778-05)	102	98	99	98			0
TF1-GZ-117-083117 (SC38778-06)	103	100	99	91			0
TF1-TB-083117 (SC38778-08)	104	97	100	98			0
TF1-GT-112-090117 (SC38778-09)	103	98	101	96			0
TF1-GT-120-090117 (SC38778-10)	100	91	96	96			0
TF1-GT-131-090117 (SC38778-11)	101	99	99	97			0
TF1-RB-090117 (SC38778-12)	102	97	99	94			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 VIIIa - INTERNAL STANDARD AREA AND RT SUMMARY

SW846 8260C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708033

Instrument: HPV3

Matrix: Aqueous

Calibration: 1709004

Analyzed: 09/11/17 09:39

File ID: CCV0911A.D

	IS1 Area #	RT #	IS2 Area #	RT #	IS3 Area #	RT #	IS4 Area #	RT #	IS5 Area #	RT #	IS6 Area #	RT #
12-Hour Standard	433437	11.15	448989	8.80	1030022	5.48						
Upper Limit	866874	11.65	897978	9.30	2060044	5.98						
Lower Limit	216719	10.65	224495	8.30	515011	4.98						
Sample ID												
Calibration Check (S708033-CCV2)	450743	11.146	498251	8.798	1192157	5.481						
Blank (1715452-BLK1)	415308	11.146	438820	8.799	1016653	5.481						
LCS (1715452-BS1)	415449	11.146	424468	8.799	990347	5.477						
LCS Dup (1715452-BSD1)	444951	11.146	462104	8.798	1069326	5.481						
TF1-EBP-GT124R-083117 (SC38778-01)	421027	11.146	447388	8.798	1064723	5.477						
TF1-GT-110-083117 (SC38778-02)	427073	11.146	451488	8.798	1061073	5.477						
TF1-DUP-02-083117 (SC38778-03)	430281	11.146	445880	8.799	1052967	5.481						
TF1-GT-128-083117 (SC38778-04)	468286	11.146	498230	8.799	1149292	5.477						
TF1-GZ-114-083117 (SC38778-05)	431130	11.146	459095	8.799	1077507	5.477						
TF1-GZ-117-083117 (SC38778-06)	434654	11.142	454291	8.799	1166945	5.477						
TF1-TB-083117 (SC38778-08)	431271	11.146	457372	8.798	1067950	5.477						
TF1-GT-112-090117 (SC38778-09)	427472	11.146	459907	8.799	1069590	5.481						
TF1-GT-120-090117 (SC38778-10)	432669	11.142	490110	8.799	1198027	5.477						
TF1-GT-131-090117 (SC38778-11)	442657	11.146	470118	8.799	1093222	5.477						
TF1-RB-090117 (SC38778-12)	452983	11.146	494910	8.803	1181287	5.481						

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 IV - METHOD BLANK SUMMARY
SW846 8260C

1715452-BLK1

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC38778</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>1715452-BLK1</u>	File ID:	<u>BK30911B.D</u>
		Preparation:	<u>SW846 5030 Water MS</u>	Initial/Final:	<u>5 ml / 5 ml</u>
Analyzed:	<u>09/11/17 09:10</u>	Instrument:	<u>HPV3</u>		
Batch:	<u>1715452</u>	Sequence:	<u>S708033</u>	Calibration:	<u>1709004</u>

This method blank applies to the following sample analyses:

SAMPLE NO.	LAB SAMPLE ID	FILE ID	DATE ANALYZED	TIME ANALYZED
LCS	1715452-BS1	LCS0911A.D	09/11/17	10:07
LCS Dup	1715452-BSD1	LCS0911B.D	09/11/17	10:36
TF1-EBP-GT124R-083117	SC38778-01	3877801.D	09/11/17	12:32
TF1-GT-110-083117	SC38778-02	3877802.D	09/11/17	13:01
TF1-DUP-02-083117	SC38778-03	3877803.D	09/11/17	13:30
TF1-GT-128-083117	SC38778-04	3877804.D	09/11/17	13:59
TF1-GZ-114-083117	SC38778-05	3877805.D	09/11/17	14:28
TF1-GZ-117-083117	SC38778-06	3877806.D	09/11/17	14:57
TF1-TB-083117	SC38778-08	3877808.D	09/11/17	15:26
TF1-GT-112-090117	SC38778-09	3877809.D	09/11/17	15:55
TF1-GT-120-090117	SC38778-10	3877810.D	09/11/17	16:24
TF1-GT-131-090117	SC38778-11	3877811.D	09/11/17	16:53
TF1-RB-090117	SC38778-12	3877812.D	09/11/17	17:22

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8260C

1715452-BLK1

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Matrix: Aqueous Laboratory ID: 1715452-BLK1 File ID: BK30911B.D
 Preparation: SW846 5030 Water MS Initial/Final: 5 ml / 5 ml
 Analyzed: 09/11/17 09:10 Instrument: HPV3
 Batch: 1715452 Sequence: S708033 Calibration: 1709004

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

1715452-BLK1

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Matrix: Aqueous Laboratory ID: 1715452-BLK1 File ID: BK30911B.D
 Preparation: SW846 5030 Water MS Initial/Final: 5 ml / 5 ml
 Analyzed: 09/11/17 09:10 Instrument: HPV3
 Batch: 1715452 Sequence: S708033 Calibration: 1709004

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
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
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 IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 8260C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Instrument: HPV3

Batch: 1715452

Laboratory ID: 1715452-BS1

Preparation: SW846 5030 Water MS

Initial/Final: 5 ml / 5 ml

Analyzed: 09/11/17 10:07

Spike ID: 1710206

File ID: LCS0911A.D

COMPOUND	SPIKE ADDED (µg/l)	LCS CONCENTRATION (µg/l)	LCS % REC. #	QC LIMITS REC.
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.0	19.9	99	70 - 136
Acetone	20.0	23.2	116	39 - 160
Benzene	20.0	21.6	108	79 - 120
Bromochloromethane	20.0	21.0	105	78 - 123
Bromodichloromethane	20.0	23.6	118	79 - 125
Bromoform	20.0	24.1	120	66 - 130
Bromomethane	20.0	17.7	88	53 - 141
2-Butanone (MEK)	20.0	22.0	110	56 - 143
Carbon disulfide	20.0	22.1	111	64 - 133
Carbon tetrachloride	20.0	22.1	111	72 - 136
Chlorobenzene	20.0	22.7	113	82 - 118
Chloroethane	20.0	20.8	104	60 - 138
Chloroform	20.0	21.5	108	79 - 124
Chloromethane	20.0	22.0	110	50 - 139
1,2-Dibromo-3-chloropropane	20.0	24.9	124	62 - 128
Dibromochloromethane	20.0	21.4	107	74 - 126
1,2-Dibromoethane (EDB)	20.0	22.2	111	77 - 121
1,2-Dichlorobenzene	20.0	22.7	114	80 - 119
1,3-Dichlorobenzene	20.0	23.4	117	80 - 119
1,4-Dichlorobenzene	20.0	22.0	110	79 - 118
Dichlorodifluoromethane (Freon12)	20.0	19.5	98	32 - 152
1,1-Dichloroethane	20.0	22.1	111	77 - 125
1,2-Dichloroethane	20.0	21.2	106	73 - 128
1,1-Dichloroethene	20.0	20.5	102	71 - 131
cis-1,2-Dichloroethene	20.0	21.4	107	78 - 123
trans-1,2-Dichloroethene	20.0	20.7	104	75 - 124
1,2-Dichloropropane	20.0	20.5	103	78 - 128
cis-1,3-Dichloropropene	20.0	21.1	105	75 - 124
trans-1,3-Dichloropropene	20.0	21.9	110	73 - 127
Ethylbenzene	20.0	23.3	117	79 - 121

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 8260C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Instrument: HPV3

Batch: 1715452

Laboratory ID: 1715452-BS1

Preparation: SW846 5030 Water MS

Initial/Final: 5 ml / 5 ml

Analyzed: 09/11/17 10:07

Spike ID: 17I0206

File ID: LCS0911A.D

COMPOUND	SPIKE ADDED (µg/l)	LCS CONCENTRATION (µg/l)	LCS % REC. #	QC LIMITS REC.
2-Hexanone (MBK)	20.0	21.9	110	57 - 139
Isopropylbenzene	20.0	22.5	113	72 - 131
Methyl tert-butyl ether	20.0	22.9	115	71 - 124
4-Methyl-2-pentanone (MIBK)	20.0	21.0	105	67 - 130
Methylene chloride	20.0	20.8	104	74 - 124
Styrene	20.0	23.6	118	78 - 123
1,1,2,2-Tetrachloroethane	20.0	23.9	120	71 - 121
Tetrachloroethene	20.0	21.5	108	74 - 129
Toluene	20.0	21.2	106	80 - 121
1,2,3-Trichlorobenzene	20.0	22.7	114	69 - 129
1,2,4-Trichlorobenzene	20.0	21.5	107	69 - 130
1,1,1-Trichloroethane	20.0	22.4	112	74 - 131
1,1,2-Trichloroethane	20.0	22.7	114	80 - 119
Trichloroethene	20.0	21.3	106	79 - 123
Trichlorofluoromethane (Freon 11)	20.0	22.8	114	64 - 141
Vinyl chloride	20.0	21.9	109	58 - 137
m,p-Xylene	20.0	23.7	119	80 - 121
o-Xylene	20.0	23.9	119	78 - 122
Cyclohexane	20.0	22.0	110	71 - 130
Methyl acetate	20.0	17.8	89	56 - 136
Methylcyclohexane	20.0	21.6	108	72 - 132

File ID: LCS0911B.D

COMPOUND	SPIKE ADDED (µg/l)	LCSD CONCENTRATION (µg/l)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
1,1,2-Trichlorotrifluoroethane (Freon)	20.0	19.1	95	4	25	70 - 136
Acetone	20.0	22.4	112	4	50	39 - 160
Benzene	20.0	19.7	98	10	25	79 - 120
Bromochloromethane	20.0	19.4	97	8	25	78 - 123
Bromodichloromethane	20.0	20.7	104	13	25	79 - 125

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 8260C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Instrument: HPV3

Batch: 1715452

Laboratory ID: 1715452-BSD1

Preparation: SW846 5030 Water MS

Initial/Final: 5 ml / 5 ml

Analyzed: 09/11/17 10:36

Spike ID: 1710206

File ID: LCS0911B.D

COMPOUND	SPIKE ADDED (µg/l)	LCSD CONCENTRATION (µg/l)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Bromoform	20.0	22.4	112	7	25	66 - 130
Bromomethane	20.0	17.7	88	0.2	50	53 - 141
2-Butanone (MEK)	20.0	19.0	95	14	50	56 - 143
Carbon disulfide	20.0	19.4	97	13	25	64 - 133
Carbon tetrachloride	20.0	19.2	96	14	25	72 - 136
Chlorobenzene	20.0	20.6	103	10	25	82 - 118
Chloroethane	20.0	20.6	103	1	50	60 - 138
Chloroform	20.0	19.3	96	11	25	79 - 124
Chloromethane	20.0	19.4	97	12	25	50 - 139
1,2-Dibromo-3-chloropropane	20.0	23.1	116	7	25	62 - 128
Dibromochloromethane	20.0	20.2	101	6	50	74 - 126
1,2-Dibromoethane (EDB)	20.0	20.2	101	9	25	77 - 121
1,2-Dichlorobenzene	20.0	21.0	105	8	25	80 - 119
1,3-Dichlorobenzene	20.0	21.2	106	10	25	80 - 119
1,4-Dichlorobenzene	20.0	20.8	104	6	25	79 - 118
Dichlorodifluoromethane (Freon12)	20.0	17.1	86	13	50	32 - 152
1,1-Dichloroethane	20.0	19.9	99	11	25	77 - 125
1,2-Dichloroethane	20.0	19.6	98	8	25	73 - 128
1,1-Dichloroethene	20.0	19.2	96	7	25	71 - 131
cis-1,2-Dichloroethene	20.0	19.0	95	12	25	78 - 123
trans-1,2-Dichloroethene	20.0	19.7	98	5	25	75 - 124
1,2-Dichloropropane	20.0	18.9	94	8	25	78 - 128
cis-1,3-Dichloropropene	20.0	19.0	95	10	25	75 - 124
trans-1,3-Dichloropropene	20.0	20.0	100	9	25	73 - 127
Ethylbenzene	20.0	20.6	103	13	25	79 - 121
2-Hexanone (MBK)	20.0	19.9	100	10	25	57 - 139
Isopropylbenzene	20.0	20.4	102	10	25	72 - 131
Methyl tert-butyl ether	20.0	23.4	117	2	25	71 - 124
4-Methyl-2-pentanone (MIBK)	20.0	19.6	98	7	50	67 - 130
Methylene chloride	20.0	18.3	92	13	25	74 - 124

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 8260C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Instrument: HPV3

Batch: 1715452

Laboratory ID: 1715452-BSD1

Preparation: SW846 5030 Water MS

Initial/Final: 5 ml / 5 ml

Analyzed: 09/11/17 10:36

Spike ID: 1710206

File ID: LCS0911B.D

COMPOUND	SPIKE ADDED (µg/l)	LCSD CONCENTRATION (µg/l)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Styrene	20.0	20.3	102	15	25	78 - 123
1,1,2,2-Tetrachloroethane	20.0	21.0	105	13	25	71 - 121
Tetrachloroethene	20.0	18.6	93	14	25	74 - 129
Toluene	20.0	18.9	95	12	25	80 - 121
1,2,3-Trichlorobenzene	20.0	22.1	111	3	25	69 - 129
1,2,4-Trichlorobenzene	20.0	20.2	101	6	25	69 - 130
1,1,1-Trichloroethane	20.0	19.9	99	12	25	74 - 131
1,1,2-Trichloroethane	20.0	19.9	100	13	25	80 - 119
Trichloroethene	20.0	19.5	98	9	25	79 - 123
Trichlorofluoromethane (Freon 11)	20.0	19.6	98	15	50	64 - 141
Vinyl chloride	20.0	20.1	101	8	25	58 - 137
m,p-Xylene	20.0	20.8	104	13	25	80 - 121
o-Xylene	20.0	20.9	104	13	25	78 - 122
Cyclohexane	20.0	19.6	98	11	30	71 - 130
Methyl acetate	20.0	18.3	92	3	30	56 - 136
Methylcyclohexane	20.0	19.4	97	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

CROSS REFERENCE TABLE

SW846 8270D

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC38778</u>
Client:	<u>Tetra Tech, Inc. - Salem, NH</u>	Project:	<u>WE15 Tank Farm 1 NAVSTA Newport</u>
Project Number:	<u>112608005-WE15</u>		

Client Sample ID:

TF1-EBP-GT124R-083117

TF1-GT-110-083117

TF1-DUP-02-083117

TF1-GT-128-083117

TF1-GZ-114-083117

TF1-GZ-117-083117

TF1-GT-112-090117

TF1-GT-120-090117

TF1-GT-131-090117

TF1-RB-090117

Lab Sample ID:

SC38778-01

SC38778-02

SC38778-03

SC38778-04

SC38778-05

SC38778-06

SC38778-09

SC38778-10

SC38778-11

SC38778-12

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport / 112608005-WE15

SDG #: SC38778

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:

HPS4 details: Agilent 6890 with 5973 MS: Phenomenex ZB-Semivolatiles (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 with the following exceptions:

2-Fluorobiphenyl in batch 1715314, sample 1715314-DUP1: 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):

No matrix spike or matrix spike duplicates were analyzed.

E. Duplicates:

A duplicate was analyzed.

In batch 1715314 from source sample TF1-GT-120-090117 (SC38778-10).

All method criteria were met.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met.

TF1-EBP-GT124R-083117 (SC38778-01) Preparation Start: 09/07/17 15:00, Preparation End: 09/08/17 10:05
TF1-GT-110-083117 (SC38778-02) Preparation Start: 09/07/17 15:00, Preparation End: 09/08/17 10:05
TF1-DUP-02-083117 (SC38778-03) Preparation Start: 09/07/17 15:00, Preparation End: 09/08/17 10:05
TF1-GT-128-083117 (SC38778-04) Preparation Start: 09/07/17 15:00, Preparation End: 09/08/17 10:05
TF1-GZ-114-083117 (SC38778-05) Preparation Start: 09/07/17 15:00, Preparation End: 09/08/17 10:05
TF1-GZ-117-083117 (SC38778-06) Preparation Start: 09/07/17 15:00, Preparation End: 09/08/17 10:05

FORM II - SURROGATE STANDARD RECOVERY SUMMARY

SW846 8270D

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Spike ID: 17H0260

Client ID	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	Total Out
Blank (1715314-BLK1)	44	50	75				0
LCS (1715314-BS1)	76	74	105				0
LCS Dup (1715314-BSD1)	84	80	99				0
Duplicate (1715314-DUP1)	42 *	43	72				1
TF1-EBP-GT124R-083117 (SC38778-01)	61	67	78				0
TF1-GT-110-083117 (SC38778-02)	68	76	89				0
TF1-DUP-02-083117 (SC38778-03)	68	76	90				0
TF1-GT-128-083117 (SC38778-04)	61	66	76				0
TF1-GZ-114-083117 (SC38778-05)	64	63	72				0
TF1-GZ-117-083117 (SC38778-06)	68	70	82				0
TF1-GT-112-090117 (SC38778-09)	46	47	89				0
TF1-GT-120-090117 (SC38778-10)	44	52	84				0
TF1-GT-131-090117 (SC38778-11)	53	55	76				0
TF1-RB-090117 (SC38778-12)	49	46	84				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 VIIIa - INTERNAL STANDARD AREA AND RT SUMMARY

SW846 8270D

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708252

Instrument: HPS4

Matrix: Aqueous

Calibration: 1708113

Analyzed: 09/16/17 13:46

File ID: SCR40917.D

	IS1 Area #	RT #	IS2 Area #	RT #	IS3 Area #	RT #	IS4 Area #	RT #	IS5 Area #	RT #	IS6 Area #	RT #
12-Hour Standard	473546	7.62	1612500	12.84	1278287	5.43	1686003	15.23	1430697	9.39		
Upper Limit	947092	8.12	3225000	13.34	2556574	5.93	3372006	15.73	2861394	9.89		
Lower Limit	236773	7.12	806250	12.34	639144	4.93	843002	14.73	715349	8.89		
Sample ID												
Calibration Check (S708252-CCV2)	588853	7.624	1975362	12.841	1500492	5.435	2129628	15.241	1822698	9.4		
Blank (1715314-BLK1)	866746	7.618	2411061	12.829	2049791	5.424	2651826	15.229	2358591	9.388		
LCS (1715314-BS1)	691397	7.624	2101613	12.841	1735584	5.43	2281845	15.235	1966087	9.394		
LCS Dup (1715314-BSD1)	727533	7.624	2201654	12.841	1764495	5.43	2262595	15.241	2037873	9.394		
Duplicate (1715314-DUP1)	881840	7.618	2619044	12.829	2141547	5.424	2816555	15.229	2484037	9.388		
TF1-EBP-GT124R-083117 (SC38778-01)	893505	7.618	2546042	12.829	2048818	5.424	2836188	15.229	2426954	9.388		
TF1-GT-110-083117 (SC38778-02)	756691	7.618	2168846	12.829	1849429	5.424	2399612	15.223	2098877	9.388		
TF1-DUP-02-083117 (SC38778-03)	756692	7.618	2245752	12.829	1834225	5.424	2649298	15.223	2144974	9.388		
TF1-GT-128-083117 (SC38778-04)	744332	7.624	2179184	12.829	1832688	5.43	2312254	15.223	2070072	9.388		
TF1-GZ-114-083117 (SC38778-05)	602457	7.618	1735441	12.817	1541708	5.424	2020896	15.217	1721274	9.388		
TF1-GZ-117-083117 (SC38778-06)	669767	7.618	2076304	12.823	1622205	5.424	2106130	15.223	1856239	9.388		
TF1-GT-112-090117 (SC38778-09)	881626	7.618	2613832	12.835	2264443	5.424	2762821	15.235	2501379	9.394		
TF1-GT-120-090117 (SC38778-10)	848139	7.618	2309283	12.829	1958955	5.424	2652469	15.229	2354447	9.388		
TF1-GT-131-090117 (SC38778-11)	887173	7.618	2642119	12.835	2188798	5.424	2846092	15.229	2469099	9.388		
TF1-RB-090117 (SC38778-12)	877536	7.618	2433217	12.829	2184241	5.424	2608324	15.229	2485098	9.388		

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

FORM IV - METHOD BLANK SUMMARY
SW846 8270D

1715314-BLK1

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC38778</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>1715314-BLK1</u>
		File ID:	<u>BK715314.D</u>
		Preparation:	<u>SW846 3510C</u>
		Initial/Final:	<u>990 ml / 1 ml</u>
Analyzed:	<u>09/16/17 14:14</u>	Instrument:	<u>HPS4</u>
Batch:	<u>1715314</u>	Sequence:	<u>S708252</u>
		Calibration:	<u>1708113</u>

This method blank applies to the following sample analyses:

SAMPLE NO.	LAB SAMPLE ID	FILE ID	DATE ANALYZED	TIME ANALYZED
LCS	1715314-BS1	BS715314.D	09/16/17	14:42
LCS Dup	1715314-BSD1	BSD15314.D	09/16/17	15:11
TF1-EBP-GT124R-083117	SC38778-01	C3877801.D	09/16/17	16:07
TF1-GT-110-083117	SC38778-02	C3877802.D	09/16/17	16:36
TF1-DUP-02-083117	SC38778-03	C3877803.D	09/16/17	17:04
TF1-GT-128-083117	SC38778-04	C3877804.D	09/16/17	17:33
TF1-GZ-114-083117	SC38778-05	C3877805.D	09/16/17	18:01
TF1-GZ-117-083117	SC38778-06	C3877806.D	09/16/17	18:29
TF1-GT-112-090117	SC38778-09	C3877809.D	09/16/17	18:58
TF1-GT-120-090117	SC38778-10	C3877810.D	09/16/17	19:26
Duplicate	1715314-DUP1	3877810D.D	09/16/17	19:54
TF1-GT-131-090117	SC38778-11	C3877811.D	09/16/17	20:23
TF1-RB-090117	SC38778-12	C3877812.D	09/16/17	20:51

FORM I - ORGANIC ANALYSIS DATA SHEET

SW846 8270D

1715314-BLK1

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Matrix: Aqueous Laboratory ID: 1715314-BLK1 File ID: BK715314.D
 Preparation: SW846 3510C Initial/Final: 990 ml / 1 ml
 Analyzed: 09/16/17 14:14 Instrument: HPS4
 Batch: 1715314 Sequence: S708252 Calibration: 1708113

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
83-32-9	Acenaphthene	1	1.01	U	0.698	1.01	5.05
208-96-8	Acenaphthylene	1	1.01	U	0.690	1.01	5.05
120-12-7	Anthracene	1	1.01	U	0.614	1.01	5.05
56-55-3	Benzo (a) anthracene	1	1.01	U	0.541	1.01	5.05
50-32-8	Benzo (a) pyrene	1	1.01	U	0.568	1.01	5.05
205-99-2	Benzo (b) fluoranthene	1	1.01	U	0.441	1.01	5.05
191-24-2	Benzo (g,h,i) perylene	1	1.01	U	0.535	1.01	5.05
207-08-9	Benzo (k) fluoranthene	1	1.01	U	0.485	1.01	5.05
218-01-9	Chrysene	1	1.01	U	0.537	1.01	5.05
53-70-3	Dibenzo (a,h) anthracene	1	1.01	U	0.455	1.01	5.05
206-44-0	Fluoranthene	1	1.01	U	0.644	1.01	5.05
86-73-7	Fluorene	1	1.01	U	0.618	1.01	5.05
193-39-5	Indeno (1,2,3-cd) pyrene	1	1.01	U	0.586	1.01	5.05
90-12-0	1-Methylnaphthalene	1	1.01	U	0.740	1.01	5.05
91-57-6	2-Methylnaphthalene	1	1.01	U	0.580	1.01	5.05
91-20-3	Naphthalene	1	1.01	U	0.692	1.01	5.05
85-01-8	Phenanthrene	1	1.01	U	0.592	1.01	5.05
129-00-0	Pyrene	1	1.01	U	0.616	1.01	5.05

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 8270D

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Instrument: HPS4

Batch: 1715314

Laboratory ID: 1715314-BS1

Preparation: SW846 3510C

Initial/Final: 990 ml / 1 ml

Analyzed: 09/16/17 14:42

Spike ID: 17H0927

File ID: BS715314.D

COMPOUND	SPIKE ADDED (µg/l)	LCS CONCENTRATION (µg/l)	LCS % REC. #	QC LIMITS REC.
Acenaphthene	50.5	29.7	59	47 - 122
Acenaphthylene	50.5	32.3	64	41 - 130
Anthracene	50.5	33.1	66	57 - 123
Benzo (a) anthracene	50.5	35.7	71	58 - 125
Benzo (a) pyrene	50.5	41.0	81	54 - 128
Benzo (b) fluoranthene	50.5	42.1	83	53 - 131
Benzo (g,h,i) perylene	50.5	43.9	87	50 - 134
Benzo (k) fluoranthene	50.5	41.4	82	57 - 129
Chrysene	50.5	37.5	74	59 - 123
Dibenzo (a,h) anthracene	50.5	48.6	96	51 - 134
Fluoranthene	50.5	37.1	73	57 - 128
Fluorene	50.5	32.3	64	52 - 124
Indeno (1,2,3-cd) pyrene	50.5	44.2	87	52 - 134
1-Methylnaphthalene	50.5	29.4	58	41 - 119
2-Methylnaphthalene	50.5	36.7	73	40 - 121
Naphthalene	50.5	25.0	50	40 - 121
Phenanthrene	50.5	32.4	64	59 - 120
Pyrene	50.5	36.6	72	57 - 126

File ID: BSD15314.D

COMPOUND	SPIKE ADDED (µg/l)	LCSD CONCENTRATION (µg/l)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Acenaphthene	50.5	32.6	65	9	20	47 - 122
Acenaphthylene	50.5	34.2	68	6	20	41 - 130
Anthracene	50.5	33.0	65	0.4	20	57 - 123
Benzo (a) anthracene	50.5	35.6	70	0.3	20	58 - 125
Benzo (a) pyrene	50.5	42.2	84	3	20	54 - 128
Benzo (b) fluoranthene	50.5	49.1	97	15	20	53 - 131
Benzo (g,h,i) perylene	50.5	41.8	83	5	20	50 - 134
Benzo (k) fluoranthene	50.5	39.3	78	5	20	57 - 129

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 8270D

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Instrument: HPS4

Batch: 1715314

Laboratory ID: 1715314-BSD1

Preparation: SW846 3510C

Initial/Final: 990 ml / 1 ml

Analyzed: 09/16/17 15:11

Spike ID: 17H0927

File ID: BSD15314.D

COMPOUND	SPIKE ADDED (µg/l)	LCSD CONCENTRATION (µg/l)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Chrysene	50.5	38.0	75	1	20	59 - 123
Dibenzo (a,h) anthracene	50.5	47.0	93	3	20	51 - 134
Fluoranthene	50.5	35.5	70	4	20	57 - 128
Fluorene	50.5	35.7	71	10	20	52 - 124
Indeno (1,2,3-cd) pyrene	50.5	43.8	87	0.9	20	52 - 134
1-Methylnaphthalene	50.5	31.3	62	6	20	41 - 119
2-Methylnaphthalene	50.5	31.2	62	16	20	40 - 121
Naphthalene	50.5	28.2	56	12	20	40 - 121
Phenanthrene	50.5	31.3	62	3	20	59 - 120
Pyrene	50.5	34.0	67	7	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 IIIc - DUPLICATES

TF1-GT-120-090117

SW846 8270D

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Laboratory ID: 1715314-DUP1

Batch: 1715314

Lab Source ID: SC38778-10

Preparation: SW846 3510C

Initial/Final: 1030 ml / 1 ml

Source Sample Name: TF1-GT-120-090117

% Solids:

File ID: 3877810D.D

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (µg/l)	C	DUPLICATE CONCENTRATION (µg/l)	C	RPD %	Q	METHOD
Acenaphthene	20	BRL		BDL				SW846 8270D
Acenaphthylene	20	BRL		BDL				SW846 8270D
Anthracene	20	BRL		BDL				SW846 8270D
Benzo (a) anthracene	20	BRL		BDL				SW846 8270D
Benzo (a) pyrene	20	BRL		BDL				SW846 8270D
Benzo (b) fluoranthene	20	BRL		BDL				SW846 8270D
Benzo (g,h,i) perylene	20	BRL		BDL				SW846 8270D
Benzo (k) fluoranthene	20	BRL		BDL				SW846 8270D
Chrysene	20	BRL		BDL				SW846 8270D
Dibenzo (a,h) anthracene	20	BRL		BDL				SW846 8270D
Fluoranthene	20	BRL		BDL				SW846 8270D
Fluorene	20	BRL		BDL				SW846 8270D
Indeno (1,2,3-cd) pyrene	20	BRL		BDL				SW846 8270D
1-Methylnaphthalene	20	BRL		BDL				SW846 8270D
2-Methylnaphthalene	20	BRL		BDL				SW846 8270D
Naphthalene	20	BRL		BDL				SW846 8270D
Phenanthrene	20	BRL		BDL				SW846 8270D
Pyrene	20	BRL		BDL				SW846 8270D

* Values outside of QC limits

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

PREPARATION BENCH SHEET

1715314

FINAL COPY

* A = Analyst * W = Witness

Eurofins Spectrum Analytical, Inc. - MA

☐ Sodium Chloride (NaCl)	17G0504	☐ Florisil	17G0149	☒ Methylene Chloride (CH ₂ Cl ₂)	17H1033	☐ Ethyl Acetate (C ₄ H ₈ O ₂)	14K0438
☐ Ottawa Sand	17H0732	☐ Silica gel (EPH)	17H0666	☐ Hexane (C ₆ H ₁₄)	17I0189	☒ Aqueous Filter Paper	
☐ HCL	17H0221	☐ Silica gel (TPH)	17H0665	☐ Acetone (CH ₃ COCH ₃)	17G0906	☐ Soil Filter Paper	17I0209
☐ Copper	17I0204	☐ Sulfuric Acid (H ₂ SO ₄)	17H0891	☐ Methanol (CH ₃ OH)	17E0681		
☒ Sodium Sulfate (Na ₂ SO ₄)	17I0186			☐ Ether (C ₂ H ₅ OC ₂ H ₅)	17H0567	☐ Gauze Wipe	17A0428
☐ PCB Transformer Oil	10H0132	☐ MTBE	16I0388	☐ Acidified Sodium Sulfate	17G0918	☐ 1:1 HCl Mix	17G0111
☒ 1:1 H ₂ SO ₄ Mix	17G1000	☐ Acidified Methanol	17G0302	☒ Sodium Hydroxide (NaOH)	17G0775	☐ Glass Wool	17H0734
☐ Iso-octane	17B0969	☐ 37% KOH	17C0273	☐ Sodium Bicarbonate	14K0424	☐ Cupric Sulfate Pentahydrate	
☐ 1ml Syringe I	15A0480	☐ 1ml Syringe II	15A0481	☐ 1ml Syringe III	15A0482	☐ 500ul Syringe	15C0951
☐ 250ul Syringe	15A0484	☐ 100ul Syringe	15A0485	☐ 25ul Syringe I	15A0486	☐ 25ul Syringe II	15A0487
☐ 25ul Syringe III	15A0488	☐ 25ul Syringe IV	15A0489	☐ 25ul Syringe V	15A0490	☐ 10ul Syringe I	15A0491
☐ 1:1 DCM-Acetone	17H0945	☒ pH paper	16A0780	☐ Chlorine Chk Strips	17D0909	Balance ID	

Matrix: Aqueous

Prepared using: SVOC - SW846 3510C

Surrogate used: 17H0260

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 BASIC	pH ACID	pH Init	CL
1715314-BLK1	Blank	QC	990	1						1000			07-Sep-17 15:00	07-Sep-17						
1715314-BS1	LCS	QC	990	1	17H0927				1000	1000			07-Sep-17 15:00	07-Sep-17						
1715314-BSD1	LCS Dup	QC	990	1	17H0927				1000	1000			07-Sep-17 15:00	07-Sep-17						
1715314-DUP1	Duplicate	QC	1030	1						1000			07-Sep-17 15:00	07-Sep-17	Clear yellow Cont: J 38778-10					
1715314-MS1	Matrix Spike	QC	1000	1						1000			07-Sep-17 15:00	07-Sep-17						
1715314-MSD1	Matrix Spike Dup	QC	1000	1						1000			07-Sep-17 15:00	07-Sep-17						
SC38678-01RE1	TF1-EBP-MW1001-082917	8270 PAH DoD	1070	1						1000		11-Sep-17 16	29-Aug-17 10:44	07-Sep-17	Re-extract added 9/12/2017 by CA K					
SC38778-01	TF1-EBP-GT124R-083117	8270 PAH DoD	1040	1						1000		13-Sep-17 16	31-Aug-17 16:22	07-Sep-17	DoD Level IV/Extra Liter	Clear	L			
SC38778-02	TF1-GT-110-083117	8270 PAH DoD	1030	1						1000		13-Sep-17 16	31-Aug-17 10:56	07-Sep-17	DoD Level IV/Extra Liter yellow	Clear	O			
SC38778-03	TF1-DUP-02-083117	8270 PAH DoD	1030	1						1000		13-Sep-17 16	31-Aug-17 00:00	07-Sep-17	DoD Level IV/Extra Liter yellow	Clear	K			
SC38778-04	TF1-GT-128-083117	8270 PAH DoD	1040	1						1000		13-Sep-17 16	31-Aug-17 14:40	07-Sep-17	DoD Level IV/Extra Liter	Clear	L			
SC38778-05	TF1-GZ-114-083117	8270 PAH DoD	850	1						1000		13-Sep-17 16	31-Aug-17 09:15	07-Sep-17	DoD Level IV/Extra Liter	Clear	K			
SC38778-06	TF1-GZ-117-083117	8270 PAH DoD	960	1						1000		13-Sep-17 16	31-Aug-17 15:05	07-Sep-17	DoD Level IV/Extra Liter yellow	Cloudy	M			
SC38778-09	TF1-GT-112-090117	8270 PAH DoD	980	1						1000		13-Sep-17 16	01-Sep-17 09:00	07-Sep-17	DoD Level IV/Extra Liter yellow	Clear	M			

Analyst Reviewed

Date

Manager Reviewed

Date

Extracts Prepared By

Date

Printed: 9/13/2017 12:45:58PM

SDG SC38778 Page 1393 / 2626

PREPARATION BENCH SHEET

* A = Analyst * W = Witness

1715314

Eurofins Spectrum Analytical, Inc. - MA

Matrix: Aqueous

Prepared using: SVOC - SW846 3510C

Surrogate used: 17H0260

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 BASIC	pH ACID	pH Init	CL
SC38778-10	TF1-GT-120-090117	8270 PAH DoD	1030	1						1000		13-Sep-17 16	01-Sep-17 09:07	07-Sep-17	DoD Level IV/Extra Liter	L				
SC38778-11	TF1-GT-131-090117	8270 PAH DoD	1030	1						1000		13-Sep-17 16	01-Sep-17 09:03	07-Sep-17	DoD Level IV/Extra Liter	J				
SC38778-12	TF1-RB-090117	8270 PAH DoD	1030	1						1000		13-Sep-17 16	01-Sep-17 10:00	07-Sep-17	DoD Level IV/Extra Liter	K				

Analyst Reviewed

Date

Manager Reviewed

Date

Extracts Prepared By

Date

CROSS REFERENCE TABLE

SW846 8082A

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC38778</u>
Client:	<u>Tetra Tech, Inc. - Salem, NH</u>	Project:	<u>WE15 Tank Farm 1 NAVSTA Newport</u>
Project Number:	<u>112608005-WE15</u>		

Client Sample ID:

TF1-GT-110-083117

TF1-DUP-02-083117

Lab Sample ID:

SC38778-02

SC38778-03

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport / 112608005-WE15

SDG #: SC38778

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):

No matrix spike or matrix spike duplicates were analyzed.

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 8082A

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Spike ID: 17H0222

Client ID	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	Total Out
Blank (1715132-BLK1)	80	90	90	110			0
LCS (1715132-BS1)	90	90	110	105			0
LCS Dup (1715132-BSD1)	90	90	95	115			0
Instrument Blank (S708102-IBL1)	90	95	90	95			0
Instrument Blank (S708102-IBL2)	90	95	90	100			0
TF1-GT-110-083117 (SC38778-02)	80	85	70	80			0
TF1-DUP-02-083117 (SC38778-03)	105	110	95	105			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 VIIIa - INTERNAL STANDARD AREA AND RT SUMMARY

SW846 8082A

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708102

Instrument: HPS12

Matrix: Aqueous

Calibration: 1706075

Analyzed: 09/08/17 18:17

File ID: C1120908.D

	IS1 Area #	RT #	IS2 Area #	RT #	IS3 Area #	RT #	IS4 Area #	RT #	IS5 Area #	RT #	IS6 Area #	RT #
12-Hour Standard	108000000	1.35	42942470	1.99								
Upper Limit	216000000	1.85	85884940	2.49								
Lower Limit	54000000	0.85	21471235	1.49								
Sample ID												
Calibration Check (S708102-CCV2)	109000000	1.35	42906540	1.99								
Blank (1715132-BLK1)	105700000	1.35	42282970	1.99								
LCS (1715132-BS1)	99011260	1.35	38673730	2.02								
LCS Dup (1715132-BSD1)	103200000	1.35	36011480	1.99								
Instrument Blank (S708102-IBL1)	109000000	1.36	43721830	2								
Instrument Blank (S708102-IBL2)	113500000	1.35	42535410	2								
TF1-GT-110-083117 (SC38778-02)	106000000	1.35	41041390	2.02								
TF1-DUP-02-083117 (SC38778-03)	103000000	1.35	39022250	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

FORM IV - METHOD BLANK SUMMARY
SW846 8082A

1715132-BLK1

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Matrix: Aqueous Laboratory ID: 1715132-BLK1 File ID: B1120908.D
Preparation: SW846 3510C Initial/Final: 970 ml / 10 ml
Analyzed: 09/08/17 18:47 Instrument: HPS12
Batch: 1715132 Sequence: S708102 Calibration: 1706075

This method blank applies to the following sample analyses:

SAMPLE NO.	LAB SAMPLE ID	FILE ID	DATE ANALYZED	TIME ANALYZED
LCS	1715132-BS1	L1120908.D	09/08/17	18:56
LCS Dup	1715132-BSD1	L2120908.D	09/08/17	19:06
TF1-GT-110-083117	SC38778-02	3877802.D	09/08/17	19:36
TF1-DUP-02-083117	SC38778-03	3877803.D	09/08/17	19:45

FORM I - ANALYSIS DATA SHEET
SW846 8082A

1715132-BLK1

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Matrix: Aqueous Laboratory ID: 1715132-BLK1 File ID: B1120908.D
 Preparation: SW846 3510C Initial/Final: 970 ml / 10 ml
 Analyzed: 09/08/17 18:47 Instrument: HPS12
 Batch: 1715132 Sequence: S708102 Calibration: 1706075

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
12674-11-2	Aroclor-1016	1	0.206	U	0.107	0.206	0.206
12674-11-2	Aroclor-1016 [2C]	1	0.206	U	0.125	0.206	0.206
11104-28-2	Aroclor-1221	1	0.206	U	0.119	0.206	0.206
11104-28-2	Aroclor-1221 [2C]	1	0.206	U	0.186	0.206	0.206
11141-16-5	Aroclor-1232	1	0.206	U	0.114	0.206	0.206
11141-16-5	Aroclor-1232 [2C]	1	0.206	U	0.0874	0.206	0.206
53469-21-9	Aroclor-1242	1	0.206	U	0.111	0.206	0.206
53469-21-9	Aroclor-1242 [2C]	1	0.206	U	0.109	0.206	0.206
12672-29-6	Aroclor-1248	1	0.206	U	0.140	0.206	0.206
12672-29-6	Aroclor-1248 [2C]	1	0.206	U	0.129	0.206	0.206
11097-69-1	Aroclor-1254	1	0.206	U	0.120	0.206	0.206
11097-69-1	Aroclor-1254 [2C]	1	0.206	U	0.117	0.206	0.206
11096-82-5	Aroclor-1260	1	0.206	U	0.0877	0.206	0.206
11096-82-5	Aroclor-1260 [2C]	1	0.206	U	0.119	0.206	0.206
37324-23-5	Aroclor-1262	1	0.206	U	0.0924	0.206	0.206
37324-23-5	Aroclor-1262 [2C]	1	0.206	U	0.131	0.206	0.206
11100-14-4	Aroclor-1268	1	0.206	U	0.0943	0.206	0.206
11100-14-4	Aroclor-1268 [2C]	1	0.206	U	0.123	0.206	0.206

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 8082A

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC38778</u>
Client:	<u>Tetra Tech, Inc. - Salem, NH</u>	Project:	<u>WE15 Tank Farm 1 NAVSTA Newport</u>
Matrix:	<u>Aqueous</u>	Instrument:	HPS12
Batch:	<u>1715132</u>	Laboratory ID:	<u>1715132-BS1</u>
Preparation:	<u>SW846 3510C</u>	Initial/Final:	<u>970 ml / 10 ml</u>
Analyzed:	<u>09/08/17 18:56</u>	Spike ID:	17E0920
		File ID:	<u>L1120908.D</u>

COMPOUND	SPIKE ADDED (µg/l)	LCS CONCENTRATION (µg/l)	LCS % REC. #	QC LIMITS REC.
Aroclor-1016	2.58	2.69	104	46 - 129
Aroclor-1016 [2C]	2.58	2.60	101	46 - 129
Aroclor-1260	2.58	2.54	98	45 - 134
Aroclor-1260 [2C]	2.58	2.75	107	45 - 134

File ID: L2120908.D

COMPOUND	SPIKE ADDED (µg/l)	LCSD CONCENTRATION (µg/l)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Aroclor-1016	2.50	2.58	103	4	30	46 - 129
Aroclor-1016 [2C]	2.50	2.67	107	3	30	46 - 129
Aroclor-1260	2.50	2.37	95	7	30	45 - 134
Aroclor-1260 [2C]	2.50	2.91	116	6	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

PREPARATION BENCH SHEET

* A = Analyst * W = Witness

1715132

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Eurofins Spectrum Analytical, Inc. - MA

- ☐ Sodium Chloride (NaCl)
☐ Ottawa Sand
☐ HCL
☐ Copper
☒ Sodium Sulfate (Na₂SO₄)
☐ PCB Transformer Oil
☐ 1:1 H₂SO₄ Mix
☐ Iso-octane
☐ 1ml Syringe I
☐ 250ul Syringe
☐ 25ul Syringe III
☐ 1:1 DCM-Acetone

17G0504
 17H0732
 17H0221
 17A0800
 17H1005
 10H0132
 17G1000
 17B0969
 15A0480
 15A0484
 15A0488
 17H0945

- ☐ 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

17G0149
 17H0666
 17H0665
 17H0891

16I0388
 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

17H1033
 17F0370
 17G0906
 17E0681

17H0567
 17G0918
 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
 17H0640

17A0428
 17G0111
 17H0734
 15C0951
 15A0487
 15A0491

Matrix: Aqueous

Prepared using: SVOC - SW846 3510C

Surrogate used: 17H0222

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 BASIC	pH ACID	pH Init	CL
1715132-BLK1	PBLK01	QC	970	10						1000			01-Sep-17 19:00	01-Sep-17						
1715132-BS1	PLCS01	QC	970	10	17E0920					1000			01-Sep-17 19:00	01-Sep-17						
1715132-BSD1	LCS Dup	QC	1000	10	17E0920					1000			01-Sep-17 19:00	01-Sep-17						
1715132-DUP1	Duplicate	QC	1000	10		SC38678-05				1000			29-Aug-17 16:05	01-Sep-17	Cont. N					
SC38678-05	TF1-GT-109-082917	8082 PCBs DoD	950	10						1000		14-Sep-17 16	29-Aug-17 16:05	01-Sep-17	DoD Level IV/Extra Liter	O				
SC38778-02	TF1-GT-110-083117	8082 PCBs DoD	1020	10						1000		13-Sep-17 16	31-Aug-17 10:56	01-Sep-17	DoD Level IV/Extra Liter	L				
SC38778-03	TF1-DUP-02-083117	8082 PCBs DoD	1020	10						1000		13-Sep-17 16	31-Aug-17 00:00	01-Sep-17	DoD Level IV/Extra Liter	N				

Analyst Reviewed 09/13/17
 Date

Manager Reviewed 9/13/17
 Date

Extracts Prepared By Anthony LeBarr 9/7/17
 Date

CROSS REFERENCE TABLE

SW846 8081B

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC38778</u>
Client:	<u>Tetra Tech, Inc. - Salem, NH</u>	Project:	<u>WE15 Tank Farm 1 NAVSTA Newport</u>
Project Number:	<u>112608005-WE15</u>		

Client Sample ID:

Lab Sample ID:

TF1-EBP-GT124R-083117

SC38778-01

TF1-GT-110-083117

SC38778-02

TF1-DUP-02-083117

SC38778-03

TF1-GT-128-083117

SC38778-04

TF1-GZ-114-083117

SC38778-05

TF1-GZ-117-083117

SC38778-06

TF1-GT-112-090117

SC38778-09

TF1-GT-120-090117

SC38778-10

TF1-GT-131-090117

SC38778-11

TF1-RB-090117

SC38778-12

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport / 112608005-WE15

SDG #: SC38778

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:

HPS14 details: Agilent 6890 RTX-CLPesticides 2 column (30m, 0.53mmID, 0.42um)
RTX-CLP confirmation column (30m, 0.53mmID, 0.5um)

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 1715315, sample TF1-GT-110-083117 (SC38778-02): The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

D. Spikes:

1. Laboratory Control Samples (LCS):

All method criteria were met with the following exceptions:

Endrin ketone, Methoxychlor in batch 1715315, sample 1715315-BSD1: 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.

In batch 1715315 BSD:

Endrin ketone RPD 23% (20%) is outside individual acceptance criteria.

Methoxychlor RPD 30% (20%) is outside individual acceptance criteria.

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

No matrix spike or matrix spike duplicates were analyzed.

E. Duplicates:

A duplicate was analyzed.

In batch 1715315 from source sample TF1-GT-112-090117 (SC38778-09).

All method criteria were met.

F. Internal Standards:

Internal standards were within the acceptance criteria.

G. Samples:

All method criteria were met.

TF1-EBP-GT124R-083117 (SC38778-01) Preparation Start: 09/07/17 15:00, Preparation End: 09/08/17 10:08

TF1-GT-110-083117 (SC38778-02) Preparation Start: 09/07/17 15:00, Preparation End: 09/08/17 10:27

TF1-DUP-02-083117 (SC38778-03) Preparation Start: 09/07/17 15:00, Preparation End: 09/08/17 10:27

FORM II - SURROGATE STANDARD RECOVERY SUMMARY

SW846 8081B

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Spike ID: 17H0964

Client ID	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	Total Out
Blank (1715315-BLK1)	103	110	87	94			0
LCS (1715315-BS1)	89	92	98	82			0
LCS Dup (1715315-BSD1)	83	84	66	66			0
Duplicate (1715315-DUP1)	113	84	72	77			0
Instrument Blank (S708007-IBL1)	94	94	107	93			0
Instrument Blank (S708007-IBL2)	94	96	112	105			0
TF1-EBP-GT124R-083117 (SC38778-01)	136	108	91	107			0
TF1-GT-110-083117 (SC38778-02)	248 *	106	124	89			1
TF1-DUP-02-083117 (SC38778-03)	148	97	87	91			0
TF1-GT-128-083117 (SC38778-04)	102	91	73	69			0
TF1-GZ-114-083117 (SC38778-05)	102	88	92	74			0
TF1-GZ-117-083117 (SC38778-06)	107	91	106	80			0
TF1-GT-112-090117 (SC38778-09)	119	91	83	86			0
TF1-GT-120-090117 (SC38778-10)	98	103	79	84			0
TF1-GT-131-090117 (SC38778-11)	94	99	86	81			0
TF1-RB-090117 (SC38778-12)	88	91	88	76			0

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 VIIIa - INTERNAL STANDARD AREA AND RT SUMMARY

SW846 8081B

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708007

Instrument: HPS14

Matrix: Aqueous

Calibration: 1709015

Analyzed: 09/09/17 23:31

File ID: C2140908.D

	IS1 Area #	RT #	IS2 Area #	RT #	IS3 Area #	RT #	IS4 Area #	RT #	IS5 Area #	RT #	IS6 Area #	RT #
12-Hour Standard	83706890	2.64	74196380	2.36								
Upper Limit	167413780	3.14	148392760	2.86								
Lower Limit	41853445	2.14	37098190	1.86								
Sample ID												
Calibration Check (S708007-CCV2)	80104670	2.64	72367020	2.36								
Calibration Check (S708007-CCV3)	82568580	2.64	69114420	2.36								
Calibration Check (S708007-CCV4)	69801360	2.64	74846800	2.36								
Calibration Check (S708007-CCV5)	66139560	2.64	73905200	2.36								
Calibration Check (S708007-CCV6)	64048150	2.64	72895650	2.37								
Blank (1715315-BLK1)	66047190	2.64	67832300	2.35								
LCS (1715315-BS1)	71966160	2.64	69636300	2.36								
LCS Dup (1715315-BSD1)	66853020	2.64	73954090	2.36								
Duplicate (1715315-DUP1)	69708510	2.64	76468740	2.36								
Instrument Blank (S708007-IBL1)	99875780	2.64	102800000	2.37								
Instrument Blank (S708007-IBL2)	76445350	2.64	69899090	2.35								
Performance Mix (S708007-PEM1)	78206740	2.64	70958770	2.36								
Performance Mix (S708007-PEM2)	73410320	2.64	68501220	2.36								
TF1-EBP-GT124R-083117 (SC38778-01)	61985460	2.64	73247920	2.36								
TF1-GT-110-083117 (SC38778-02)	72184680	2.64	83257060	2.37								
TF1-DUP-02-083117 (SC38778-03)	90275520	2.64	85827150	2.36								
TF1-GT-128-083117 (SC38778-04)	104300000	2.64	91272950	2.37								
TF1-GZ-114-083117 (SC38778-05)	103100000	2.64	94387700	2.37								
TF1-GZ-117-083117 (SC38778-06)	86080960	2.64	94626430	2.37								
TF1-GT-112-090117 (SC38778-09)	82772120	2.64	73809630	2.36								
TF1-GT-120-090117 (SC38778-10)	82464770	2.64	81025540	2.36								
TF1-GT-131-090117 (SC38778-11)	85527630	2.64	87067170	2.36								
TF1-RB-090117 (SC38778-12)	100000000	2.65	115300000	2.37								

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

FORM IV - METHOD BLANK SUMMARY
SW846 8081B

1715315-BLK1

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Matrix: Aqueous Laboratory ID: 1715315-BLK1 File ID: B3140908.D
Preparation: SW846 3510C Initial/Final: 980 ml / 10 ml
Analyzed: 09/10/17 00:23 Instrument: HPS14
Batch: 1715315 Sequence: S708007 Calibration: 1709015
Column 1: RTX-CLPesticidesII; 0.42um df 0.53mmID 30m
Column [2C]: RTX-CLPesticides; 0.5um df 0.53mmID 30m

This method blank applies to the following sample analyses:

SAMPLE NO.	LAB SAMPLE ID	FILE ID	DATE ANALYZED	TIME ANALYZED
LCS	1715315-BS1	L5140908.D	09/10/17	0:40
LCS Dup	1715315-BSD1	L6140908.D	09/10/17	0:58
Duplicate	1715315-DUP1	D1140908.D	09/10/17	1:15
TF1-EBP-GT124R-083117	SC38778-01	3877801.D	09/10/17	1:33
TF1-GT-110-083117	SC38778-02	3877802.D	09/10/17	1:50
TF1-DUP-02-083117	SC38778-03	3877803.D	09/10/17	2:07
TF1-GT-128-083117	SC38778-04	3877804.D	09/10/17	2:25
TF1-GZ-114-083117	SC38778-05	3877805.D	09/10/17	2:42
TF1-GZ-117-083117	SC38778-06	3877806.D	09/10/17	3:00
TF1-GT-112-090117	SC38778-09	3877809.D	09/10/17	3:17
TF1-GT-120-090117	SC38778-10	3877810.D	09/10/17	3:34
TF1-GT-131-090117	SC38778-11	3877811.D	09/10/17	3:52
TF1-RB-090117	SC38778-12	3877812.D	09/10/17	4:10

FORM I - ANALYSIS DATA SHEET
SW846 8081B

1715315-BLK1

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Matrix: Aqueous Laboratory ID: 1715315-BLK1 File ID: B3140908.D
 Preparation: SW846 3510C Initial/Final: 980 ml / 10 ml
 Analyzed: 09/10/17 00:23 Instrument: HPS14
 Batch: 1715315 Sequence: S708007 Calibration: 1709015

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
319-84-6	alpha-BHC [2C]	1	0.020	U	0.018	0.020	0.020
319-85-7	beta-BHC	1	0.020	U	0.015	0.020	0.020
319-85-7	beta-BHC [2C]	1	0.020	U	0.019	0.020	0.020
319-86-8	delta-BHC	1	0.020	U	0.016	0.020	0.020
319-86-8	delta-BHC [2C]	1	0.020	U	0.020	0.020	0.020
58-89-9	gamma-BHC (Lindane)	1	0.020	U	0.018	0.020	0.020
58-89-9	gamma-BHC (Lindane) [2C]	1	0.020	U	0.018	0.020	0.020
76-44-8	Heptachlor	1	0.020	U	0.020	0.020	0.020
76-44-8	Heptachlor [2C]	1	0.020	U	0.020	0.020	0.020
309-00-2	Aldrin	1	0.020	U	0.016	0.020	0.020
309-00-2	Aldrin [2C]	1	0.020	U	0.019	0.020	0.020
1024-57-3	Heptachlor epoxide	1	0.020	U	0.016	0.020	0.020
1024-57-3	Heptachlor epoxide [2C]	1	0.020	U	0.015	0.020	0.020
959-98-8	Endosulfan I	1	0.020	U	0.017	0.020	0.020
959-98-8	Endosulfan I [2C]	1	0.020	U	0.016	0.020	0.020
60-57-1	Dieldrin	1	0.020	U	0.017	0.020	0.020
60-57-1	Dieldrin [2C]	1	0.020	U	0.019	0.020	0.020
72-55-9	4,4'-DDE (p,p')	1	0.020	U	0.018	0.020	0.020
72-55-9	4,4'-DDE (p,p') [2C]	1	0.020	U	0.018	0.020	0.020
72-20-8	Endrin	1	0.020	U	0.020	0.020	0.041
72-20-8	Endrin [2C]	1	0.020	U	0.020	0.020	0.041
33213-65-9	Endosulfan II	1	0.020	U	0.020	0.020	0.041
33213-65-9	Endosulfan II [2C]	1	0.020	U	0.016	0.020	0.041
72-54-8	4,4'-DDD (p,p')	1	0.020	U	0.019	0.020	0.041
72-54-8	4,4'-DDD (p,p') [2C]	1	0.020	U	0.018	0.020	0.041
1031-07-8	Endosulfan sulfate	1	0.020	U	0.020	0.020	0.041
1031-07-8	Endosulfan sulfate [2C]	1	0.020	U	0.017	0.020	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	0.020	U	0.019	0.020	0.041
72-43-5	Methoxychlor [2C]	1	0.020	U	0.019	0.020	0.041

FORM I - ANALYSIS DATA SHEET
SW846 8081B

1715315-BLK1

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Matrix: Aqueous Laboratory ID: 1715315-BLK1 File ID: B3140908.D
 Preparation: SW846 3510C Initial/Final: 980 ml / 10 ml
 Analyzed: 09/10/17 00:23 Instrument: HPS14
 Batch: 1715315 Sequence: S708007 Calibration: 1709015

CAS NO.	COMPOUND	DILUTION	CONC. (µg/l)	Q	MDL	LOD	LOQ
53494-70-5	Endrin ketone	1	0.020	U	0.018	0.020	0.041
53494-70-5	Endrin ketone [2C]	1	0.020	U	0.018	0.020	0.041
7421-93-4	Endrin aldehyde	1	0.020	U	0.020	0.020	0.041
7421-93-4	Endrin aldehyde [2C]	1	0.020	U	0.018	0.020	0.041
5103-71-9	alpha-Chlordane	1	0.020	U	0.016	0.020	0.020
5103-71-9	alpha-Chlordane [2C]	1	0.020	U	0.017	0.020	0.020
5103-74-2	Chlordane (gamma)(trans)	1	0.020	U	0.016	0.020	0.020
5103-74-2	Chlordane (gamma)(trans) [2C]	1	0.020	U	0.014	0.020	0.020
8001-35-2	Toxaphene	1	0.510	U	0.335	0.510	0.510
8001-35-2	Toxaphene [2C]	1	0.510	U	0.293	0.510	0.510
57-74-9	Chlordane	1	0.066	U	0.052	0.066	0.066
57-74-9	Chlordane [2C]	1	0.066	U	0.063	0.066	0.066
15972-60-8	Alachlor	1	0.020	U	0.019	0.020	0.020
15972-60-8	Alachlor [2C]	1	0.020	U	0.018	0.020	0.020

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 8081B

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Matrix: Aqueous Instrument: HPS14
 Batch: 1715315 Laboratory ID: 1715315-BS1
 Preparation: SW846 3510C Initial/Final: 970 ml / 10 ml
 Analyzed: 09/10/17 00:40 Spike ID: 17H0220
 Column 1: RTX-CLPesticidesII; 0.42um df 0.53mmID 30m
 Column [2C]: RTX-CLPesticides; 0.5um df 0.53mmID 30m

File ID: L5140908.D

COMPOUND	SPIKE ADDED (µg/l)	LCS CONCENTRATION (µg/l)	LCS % REC. #	QC LIMITS REC.
alpha-BHC	0.515	0.461	89	54 - 138
alpha-BHC [2C]	0.515	0.453	88	54 - 138
beta-BHC	0.515	0.463	90	56 - 136
beta-BHC [2C]	0.515	0.494	96	56 - 136
delta-BHC	0.515	0.454	88	52 - 142
delta-BHC [2C]	0.515	0.459	89	52 - 142
gamma-BHC (Lindane)	0.515	0.474	92	59 - 134
gamma-BHC (Lindane) [2C]	0.515	0.510	99	59 - 134
Heptachlor	0.515	0.487	94	54 - 130
Heptachlor [2C]	0.515	0.497	96	54 - 130
Aldrin	0.515	0.463	90	45 - 134
Aldrin [2C]	0.515	0.523	101	45 - 134
Heptachlor epoxide	0.515	0.480	93	61 - 133
Heptachlor epoxide [2C]	0.515	0.505	98	61 - 133
Endosulfan I	0.515	0.484	94	62 - 126
Endosulfan I [2C]	0.515	0.524	102	62 - 126
Dieldrin	0.515	0.477	93	60 - 136
Dieldrin [2C]	0.515	0.508	99	60 - 136
4,4'-DDE (p,p')	0.515	0.472	92	57 - 135
4,4'-DDE (p,p') [2C]	0.515	0.529	103	57 - 135
Endrin	0.515	0.546	106	60 - 138
Endrin [2C]	0.515	0.590	114	60 - 138
Endosulfan II	0.515	0.482	93	52 - 135
Endosulfan II [2C]	0.515	0.506	98	52 - 135
4,4'-DDD (p,p')	0.515	0.456	89	56 - 143
4,4'-DDD (p,p') [2C]	0.515	0.517	100	56 - 143
Endosulfan sulfate	0.515	0.504	98	62 - 133
Endosulfan sulfate [2C]	0.515	0.508	98	62 - 133

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 8081B

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Instrument: HPS14

Batch: 1715315

Laboratory ID: 1715315-BS1

Preparation: SW846 3510C

Initial/Final: 970 ml / 10 ml

Analyzed: 09/10/17 00:40

Spike ID: 17H0220

Column 1: RTX-CLPesticidesII; 0.42um df 0.53mmID 30m

Column [2C]: RTX-CLPesticides; 0.5um df 0.53mmID 30m

File ID: L5140908.D

COMPOUND	SPIKE ADDED (µg/l)	LCS CONCENTRATION (µg/l)	LCS % REC. #	QC LIMITS REC.
4,4'-DDT (p,p')	0.515	0.522	101	51 - 143
4,4'-DDT (p,p') [2C]	0.515	0.426	83	51 - 143
Methoxychlor	0.515	0.622	121	54 - 145
Methoxychlor [2C]	0.515	0.504	98	54 - 145
Endrin ketone	0.515	0.508	99	58 - 134
Endrin ketone [2C]	0.515	0.480	93	58 - 134
Endrin aldehyde	0.515	0.549	107	51 - 132
Endrin aldehyde [2C]	0.515	0.556	108	51 - 132
alpha-Chlordane	0.515	0.480	93	60 - 129
alpha-Chlordane [2C]	0.515	0.521	101	60 - 129
Chlordane (gamma)(trans)	0.515	0.475	92	56 - 136
Chlordane (gamma)(trans) [2C]	0.515	0.507	98	56 - 136
Alachlor	0.515	0.579	112	40 - 140
Alachlor [2C]	0.515	0.519	101	40 - 140

File ID: L6140908.D

COMPOUND	SPIKE ADDED (µg/l)	LCSD CONCENTRATION (µg/l)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
alpha-BHC	0.510	0.438	86	5	20	54 - 138
alpha-BHC [2C]	0.510	0.423	83	7	20	54 - 138
beta-BHC	0.510	0.449	88	3	20	56 - 136
beta-BHC [2C]	0.510	0.457	90	8	20	56 - 136
delta-BHC	0.510	0.426	83	6	20	52 - 142
delta-BHC [2C]	0.510	0.427	84	7	20	52 - 142
gamma-BHC (Lindane)	0.510	0.451	88	5	20	59 - 134
gamma-BHC (Lindane) [2C]	0.510	0.475	93	7	20	59 - 134
Heptachlor	0.510	0.457	90	6	20	54 - 130
Heptachlor [2C]	0.510	0.461	90	7	20	54 - 130

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 8081B

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Instrument: HPS14

Batch: 1715315

Laboratory ID: 1715315-BSD1

Preparation: SW846 3510C

Initial/Final: 980 ml / 10 ml

Analyzed: 09/10/17 00:58

Spike ID: 17H0220

Column 1: RTX-CLPesticidesII; 0.42um df 0.53mmID 30m

Column [2C]: RTX-CLPesticides; 0.5um df 0.53mmID 30m

File ID: L6140908.D

COMPOUND	SPIKE ADDED (µg/l)	LCSD CONCENTRATION (µg/l)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Aldrin	0.510	0.432	85	7	20	45 - 134
Aldrin [2C]	0.510	0.479	94	9	20	45 - 134
Heptachlor epoxide	0.510	0.444	87	8	20	61 - 133
Heptachlor epoxide [2C]	0.510	0.460	90	9	20	61 - 133
Endosulfan I	0.510	0.446	87	8	20	62 - 126
Endosulfan I [2C]	0.510	0.475	93	10	20	62 - 126
Dieldrin	0.510	0.429	84	11	20	60 - 136
Dieldrin [2C]	0.510	0.465	91	9	20	60 - 136
4,4'-DDE (p,p')	0.510	0.427	84	10	20	57 - 135
4,4'-DDE (p,p') [2C]	0.510	0.471	92	12	20	57 - 135
Endrin	0.510	0.456	89	18	20	60 - 138
Endrin [2C]	0.510	0.533	104	10	20	60 - 138
Endosulfan II	0.510	0.423	83	13	20	52 - 135
Endosulfan II [2C]	0.510	0.453	89	11	20	52 - 135
4,4'-DDD (p,p')	0.510	0.400	78	13	20	56 - 143
4,4'-DDD (p,p') [2C]	0.510	0.455	89	13	20	56 - 143
Endosulfan sulfate	0.510	0.421	83	18	20	62 - 133
Endosulfan sulfate [2C]	0.510	0.447	88	13	20	62 - 133
4,4'-DDT (p,p')	0.510	0.431	84	19	20	51 - 143
4,4'-DDT (p,p') [2C]	0.510	0.372	73	13	20	51 - 143
Methoxychlor	0.510	0.458	90	30	*	54 - 145
Methoxychlor [2C]	0.510	0.425	83	17	20	54 - 145
Endrin ketone	0.510	0.402	79	23	*	58 - 134
Endrin ketone [2C]	0.510	0.417	82	14	20	58 - 134
Endrin aldehyde	0.510	0.454	89	19	20	51 - 132
Endrin aldehyde [2C]	0.510	0.493	97	12	20	51 - 132
alpha-Chlordane	0.510	0.443	87	8	20	60 - 129
alpha-Chlordane [2C]	0.510	0.471	92	10	20	60 - 129

FORM IIIa - LCS / LCS DUPLICATE RECOVERY**SW846 8081B**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Matrix: Aqueous Instrument: HPS14
Batch: 1715315 Laboratory ID: 1715315-BSD1
Preparation: SW846 3510C Initial/Final: 980 ml / 10 ml
Analyzed: 09/10/17 00:58 Spike ID: 17H0220
Column 1: RTX-CLPesticidesII; 0.42um df 0.53mmID 30m
Column [2C]: RTX-CLPesticides; 0.5um df 0.53mmID 30m

File ID: L6140908.D

COMPOUND	SPIKE ADDED (µg/l)	LCSD CONCENTRATION (µg/l)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Chlordane (gamma)(trans)	0.510	0.431	84	10	20	56 - 136
Chlordane (gamma)(trans) [2C]	0.510	0.458	90	10	20	56 - 136
Alachlor	0.510	0.544	107	6	20	40 - 140
Alachlor [2C]	0.510	0.473	93	9	20	40 - 140

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-GT-112-090117

SW846 8081B

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Laboratory ID: 1715315-DUP1

Batch: 1715315

Lab Source ID: SC38778-09

Preparation: SW846 3510C

Initial/Final: 980 ml / 10 ml

Source Sample Name: TF1-GT-112-090117

% Solids:

File ID: D1140908.D

Column 1: RTX-CLPesticidesII; 0.42um df 0.53mmID 30m

Column [2C]: RTX-CLPesticides; 0.5um df 0.53mmID 30m

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (µg/l)	C	DUPLICATE CONCENTRATION (µg/l)	C	RPD %	Q	METHOD
alpha-BHC	30	BRL		BDL				SW846 8081B
alpha-BHC [2C]	30			BDL				SW846 8081B
beta-BHC	30	BRL		BDL				SW846 8081B
beta-BHC [2C]	30			BDL				SW846 8081B
delta-BHC	30	BRL		BDL				SW846 8081B
delta-BHC [2C]	30			BDL				SW846 8081B
gamma-BHC (Lindane)	30	BRL		BDL				SW846 8081B
gamma-BHC (Lindane) [2C]	30			BDL				SW846 8081B
Heptachlor	30	BRL		BDL				SW846 8081B
Heptachlor [2C]	30			BDL				SW846 8081B
Aldrin	30	BRL		BDL				SW846 8081B
Aldrin [2C]	30			BDL				SW846 8081B
Heptachlor epoxide	30	BRL		BDL				SW846 8081B
Heptachlor epoxide [2C]	30			BDL				SW846 8081B
Endosulfan I	30	BRL		BDL				SW846 8081B
Endosulfan I [2C]	30			BDL				SW846 8081B
Dieldrin	30	BRL		BDL				SW846 8081B
Dieldrin [2C]	30			BDL				SW846 8081B
4,4'-DDE (p,p')	30	BRL		BDL				SW846 8081B
4,4'-DDE (p,p') [2C]	30			BDL				SW846 8081B
Endrin	30	BRL		BDL				SW846 8081B
Endrin [2C]	30			BDL				SW846 8081B
Endosulfan II	30	BRL		BDL				SW846 8081B
Endosulfan II [2C]	30			BDL				SW846 8081B
4,4'-DDD (p,p')	30	BRL		BDL				SW846 8081B
4,4'-DDD (p,p') [2C]	30			BDL				SW846 8081B
Endosulfan sulfate	30	BRL		BDL				SW846 8081B

FORM IIIc - DUPLICATES

TF1-GT-112-090117

SW846 8081B

Laboratory: Eurofins Spectrum Analytical, Inc. - MASDG: SC38778Client: Tetra Tech, Inc. - Salem, NHProject: WE15 Tank Farm 1 NAVSTA NewportMatrix: AqueousLaboratory ID: 1715315-DUP1Batch: 1715315Lab Source ID: SC38778-09Preparation: SW846 3510CInitial/Final: 980 ml / 10 mlSource Sample Name: TF1-GT-112-090117

% Solids:

File ID: D1140908.D

Column 1: RTX-CLPesticidesII; 0.42um df 0.53mmID 30m

Column [2C]: RTX-CLPesticides; 0.5um df 0.53mmID 30m

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (µg/l)	C	DUPLICATE CONCENTRATION (µg/l)	C	RPD %	Q	METHOD
Endosulfan sulfate [2C]	30			BDL				SW846 8081B
4,4'-DDT (p,p')	30	BRL		BDL				SW846 8081B
4,4'-DDT (p,p') [2C]	30			BDL				SW846 8081B
Methoxychlor	30	BRL		BDL				SW846 8081B
Methoxychlor [2C]	30			BDL				SW846 8081B
Endrin ketone	30	BRL		BDL				SW846 8081B
Endrin ketone [2C]	30			BDL				SW846 8081B
Endrin aldehyde	30	BRL		BDL				SW846 8081B
Endrin aldehyde [2C]	30			BDL				SW846 8081B
alpha-Chlordane	30	BRL		BDL				SW846 8081B
alpha-Chlordane [2C]	30			BDL				SW846 8081B
Chlordane (gamma)(trans)	30	BRL		BDL				SW846 8081B
Chlordane (gamma)(trans) [2C]	30			BDL				SW846 8081B
Toxaphene	30	BRL		BDL				SW846 8081B
Toxaphene [2C]	30			BDL				SW846 8081B
Chlordane	30	BRL		BDL				SW846 8081B
Chlordane [2C]	30			BDL				SW846 8081B
Alachlor	30	BRL		BDL				SW846 8081B
Alachlor [2C]	30			BDL				SW846 8081B

* Values outside of QC limits

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

PREPARATION BENCH SHEET

1715315

Eurofins Spectrum Analytical, Inc. - MA

* A = Analyst * W = Witness

RAW COPY

- ☐ Sodium Chloride (NaCl)
- ☐ Ottawa Sand
- ☐ HCL
- ☐ Copper
- ☒ Sodium Sulfate (Na2SO4)
- ☐ PCB Transformer Oil
- ☐ 1:1 H2SO4 Mix
- ☐ Iso-octane
- ☐ 1ml Syringe I
- ☐ 250ul Syringe
- ☐ 25ul Syringe III
- ☐ 1:1 DCM-Acetone
- 17G0504
- 17H0732
- 17H0221
- 17I0204
- 17I0088
- 10H0132
- 17G1000
- 17B0969
- 15A0480
- 15A0484
- 15A0488
- 17H0945
- ☐ 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

- 17G0149
- 17H0666
- 17H0665
- 17H0891
- 16I0388
- 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

- 17H1033
- 17I0189
- 17G0906
- 17E0681
- 17H0567
- 17G0918
- 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
- 17H0640
- 17I0209
- 17A0428
- 17G0111
- 17H0734
- 15C0951
- 15A0487
- 15A0491

Matrix: Aqueous

Prepared using: SVOC - SW846 3510C

Surrogate used: 17H0964

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 BASIC	pH ACID	pH Init	CL
1715315-BLK1	Blank	QC	980	10						1000			07-Sep-17 15:00	07-Sep-17						
1715315-BS1	LCS	QC	970	10	17H0220				1000	1000			07-Sep-17 15:00	07-Sep-17						
1715315-BSD1	LCS Dup	QC	980	10	17H0220				1000	1000			07-Sep-17 15:00	07-Sep-17						
1715315-DUP1	Duplicate	QC	980	10		SC38778-09				1000			01-Sep-17 09:00	07-Sep-17	Cont. K					
SC38778-01	TF1-EBP-GT124R-083117	8081 Pesticides DoD	1060	10						1000		13-Sep-17 16	31-Aug-17 16:22	07-Sep-17	DoD Level IV/Extra Liter	J				
SC38778-02	TF1-GT-110-083117	8081 Pesticides DoD	1000	10						1000		13-Sep-17 16	31-Aug-17 10:56	07-Sep-17	DoD Level IV/Extra Liter	N				
SC38778-03	TF1-DUP-02-083117	8081 Pesticides DoD	1020	10						1000		13-Sep-17 16	31-Aug-17 00:00	07-Sep-17	DoD Level IV/Extra Liter	M				
SC38778-04	TF1-GT-128-083117	8081 Pesticides DoD	1040	10						1000		13-Sep-17 16	31-Aug-17 14:40	07-Sep-17	DoD Level IV	J				
SC38778-05	TF1-GZ-114-083117	8081 Pesticides DoD	910	10						1000		13-Sep-17 16	31-Aug-17 09:15	07-Sep-17	DoD Level IV/Extra Liter	M				
SC38778-06	TF1-GZ-117-083117	8081 Pesticides DoD	950	10						1000		13-Sep-17 16	31-Aug-17 15:05	07-Sep-17	DoD Level IV/Extra Liter	L				
SC38778-09	TF1-GT-112-090117	8081 Pesticides DoD	990	10						1000		13-Sep-17 16	01-Sep-17 09:00	07-Sep-17	DoD Level IV/Extra Liter	J				
SC38778-10	TF1-GT-120-090117	8081 Pesticides DoD	1040	10						1000		13-Sep-17 16	01-Sep-17 09:07	07-Sep-17	DoD Level IV/Extra Liter	K				
SC38778-11	TF1-GT-131-090117	8081 Pesticides DoD	1020	10						1000		13-Sep-17 16	01-Sep-17 09:03	07-Sep-17	DoD Level IV/Extra Liter	L				

Analyst Reviewed

9/11/17
Date

Manager Reviewed

9/11/17
Date

Extracts Prepared By

9/11/17
Date

Printed: 9/8/2017 5:49:15PM

SDG SC38778 Page 1982 / 2626

PREPARATION BENCH SHEET

FINAL COPY

* A = Analyst * W = Witness

1715315

Eurofins Spectrum Analytical, Inc. - MA

Prepared using: SVOC - SW846 3510C

Surrogate used: 17H0964

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 BASIC	pH ACID	pH Init	CL
SC38778-12	TF1-RB-090117	8081 Pesticides DoD	1000	10						1000		13-Sep-17 16	01-Sep-17 10:00	07-Sep-17	DoD Level IV/Extra Liter	M				

S. Malco 9/11/17
Analyst Reviewed ✓ Date

[Signature] 9/11/17
Manager Reviewed Date

[Signature] 9/17/17
Extracts Prepared By Date

CROSS REFERENCE TABLE

Mod EPA 3C/SOP RSK-175

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC38778</u>
Client:	<u>Tetra Tech, Inc. - Salem, NH</u>	Project:	<u>WE15 Tank Farm 1 NAVSTA Newport</u>
Project Number:	<u>112608005-WE15</u>		

Client Sample ID:

TF1-EBP-GT124R-083117

TF1-GT-110-083117

TF1-DUP-02-083117

TF1-GT-128-083117

TF1-GZ-114-083117

TF1-GZ-117-083117

TF1-GT-112-090117

TF1-GT-120-090117

TF1-GT-131-090117

TF1-RB-090117

Lab Sample ID:

SC38778-01

SC38778-02

SC38778-03

SC38778-04

SC38778-05

SC38778-06

SC38778-09

SC38778-10

SC38778-11

SC38778-12

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport / 112608005-WE15

SDG #: SC38778

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:

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

E. Samples:

All method criteria were met.

FORM IV - METHOD BLANK SUMMARY
Mod EPA 3C/SOP RSK-175

1715514-BLK1

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC38778</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>1715514-BLK1</u>	File ID:	<u>091117-chanb-003-0</u>
		Preparation:	<u>General Air Prep</u>	Initial/Final:	<u>10 µg / 10 µg</u>
Analyzed:	<u>09/11/17 09:32</u>	Instrument:	<u>Air5</u>		
Batch:	<u>1715514</u>	Sequence:	<u>S708081</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	1715514-BS1	091117-chanb-002-0	09/11/17	9:00
TF1-EBP-GT124R-083117	SC38778-01	091117-chanb-007-0	09/11/17	11:10
TF1-GT-110-083117	SC38778-02	091117-chanb-008-0	09/11/17	11:33
TF1-DUP-02-083117	SC38778-03	091117-chanb-009-0	09/11/17	11:56
TF1-GT-128-083117	SC38778-04	091117-chanb-010-0	09/11/17	12:19
TF1-GZ-114-083117	SC38778-05	091117-chanb-011-0	09/11/17	12:42
TF1-GZ-117-083117	SC38778-06	091117-chanb-012-0	09/11/17	13:05
TF1-GT-112-090117	SC38778-09	091117-chanb-013-0	09/11/17	13:30
TF1-GT-120-090117	SC38778-10	091117-chanb-014-0	09/11/17	13:54
TF1-GT-131-090117	SC38778-11	091117-chanb-015-0	09/11/17	14:17
TF1-RB-090117	SC38778-12	091117-chanb-016-0	09/11/17	15:02

FORM I - AIR ANALYSIS DATA SHEET**Mod EPA 3C/SOP RSK-175****1715514-BLK1**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Matrix: Aqueous Laboratory ID: 1715514-BLK1 File ID: 091117-CHANB-003-0
Preparation: General Air Prep Initial/Final: 10 µg / 10 µg
Analyzed: 09/11/17 09:32 Instrument: Air5
Batch: 1715514 Sequence: S708081 Calibration: 1707028
Units: µg/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

FORM IIIa - LCS / LCS DUPLICATE RECOVERY**Mod EPA 3C/SOP RSK-175**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Matrix: Aqueous Instrument: Air5
Batch: 1715514 Laboratory ID: 1715514-BS1
Preparation: General Air Prep Initial/Final: 10 µg / 10 µg
Analyzed: 09/11/17 09:00 Spike ID: 17F0404
File ID: 091117-chanb-002-0

COMPOUND	SPIKE ADDED (mg/l)	LCS CONCENTRATION (mg/l)	LCS % REC. #	QC LIMITS REC.
Methane	500	428	86	73 - 125
Ethane	500	471	94	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

PREPARATION BENCH SHEET

1715514

Method No.: 1707028

Sequence No.: 5708081

M-4000
E-1000

Matrix: Aqueous

Prepared using: Air - General Air Prep

Surrogate used: 17D0155

Lab Number	Client Sample ID	Collected	Initial (µg)	Final (µg)	Spike ID	Source ID	Analysis	Due	Pres.	RPD	Comments
1715514-BLK1	Blank	11-Sep-17 06:00	10	10			QC				
1715514-BS1	LCS	11-Sep-17 06:00	10	10	17F0404		QC				
1715514-DUP1	Duplicate	30-Aug-17 10:10	10	10		SC38733-04	QC				
SC38733-04	TF1-MW-1005-083017	30-Aug-17 10:10	10	10			Dissolved Gases	12-Sep-17 16:00			Run MS/MSD/DoD Level IV / Methane & Ethane
SC38733-05	TF1-GZ-118-083017	30-Aug-17 15:05	10	10			Dissolved Gases	12-Sep-17 16:00			DoD Level IV / Methane & Ethane
SC38778-01	TF1-EBP-GT124R-083117	31-Aug-17 16:22	10	10			Dissolved Gases	13-Sep-17 16:00			DoD Level IV / Methane & Ethane
SC38778-02	TF1-GT-110-083117	31-Aug-17 10:56	10	10			Dissolved Gases	13-Sep-17 16:00			DoD Level IV / Methane & Ethane
SC38778-03	TF1-DUP-02-083117	31-Aug-17 00:00	10	10			Dissolved Gases	13-Sep-17 16:00			DoD Level IV / Methane & Ethane
SC38778-04	TF1-GT-128-083117	31-Aug-17 14:40	10	10			Dissolved Gases	13-Sep-17 16:00			DoD Level IV / Methane & Ethane
SC38778-05	TF1-GZ-114-083117	31-Aug-17 09:15	10	10			Dissolved Gases	13-Sep-17 16:00			DoD Level IV / Methane & Ethane
SC38778-06	TF1-GZ-117-083117	31-Aug-17 15:05	10	10			Dissolved Gases	13-Sep-17 16:00			DoD Level IV / Methane & Ethane
SC38778-09	TF1-GT-112-090117	01-Sep-17 09:00	10	10			Dissolved Gases	13-Sep-17 16:00			DoD Level IV / Methane & Ethane
SC38778-10	TF1-GT-120-090117	01-Sep-17 09:07	10	10			Dissolved Gases	13-Sep-17 16:00			DoD Level IV / Methane & Ethane
SC38778-11	TF1-GT-131-090117	01-Sep-17 09:03	10	10			Dissolved Gases	13-Sep-17 16:00			DoD Level IV / Methane & Ethane
SC38778-12	TF1-RB-090117	01-Sep-17 10:00	10	10			Dissolved Gases	13-Sep-17 16:00			DoD Level IV / Methane & Ethane

Battery Jike 9/12/17
Analyst Reviewed Date

09/14/17
Manager Reviewed Date

Samantha A. Dan 9/12/17
Sequence Reviewed By Date

1715514

Matrix: Aqueous

Surrogate used: 17D0155

Lab Number	Client Sample ID	Collected	Initial (µg)	Final (µg)	Spike ID	Source ID	Analysis	Due	Pres.	RPD	Comments

Bottling File 5/12/17
 Analyst Reviewed Date
 Manager Reviewed 09/10/17
 Date
 Sequence Reviewed By Samantha A. Dean 9/12/17
 Date

CROSS REFERENCE TABLE

SW846 6010C

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC38778</u>
Client:	<u>Tetra Tech, Inc. - Salem, NH</u>	Project:	<u>WE15 Tank Farm 1 NAVSTA Newport</u>
Project Number:	<u>112608005-WE15</u>		

Client Sample ID:

TF1-EBP-GT124R-083117

TF1-GT-110-083117

TF1-DUP-02-083117

TF1-GT-128-083117

TF1-GZ-114-083117

TF1-GZ-117-083117

TF1-GT-112-090117

TF1-GT-120-090117

TF1-GT-131-090117

TF1-RB-090117

Lab Sample ID:

SC38778-01

SC38778-02

SC38778-03

SC38778-04

SC38778-05

SC38778-06

SC38778-09

SC38778-10

SC38778-11

SC38778-12

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport / 112608005-WE15

SDG #: SC38778

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 S710436-CRL5:

Low level calibration check failed, reporting limit has been elevated.

Iron

In sample S710191-CCV4:

Analyte percent recovery is outside individual acceptance criteria (90-110).

Aluminum (111%)

This affected the following samples:

1715783-BLK1, 1715783-BS1, 1715783-BSD1, 1715783-DUP1, 1715783-MS1, 1715783-MSD1, 1715783-PS1, S710191-CCV1, S710191-CCV2, S710191-CCV3, S710191-CCV4, TF1-DUP-02-083117, TF1-EBP-GT124R-083117, TF1-GT-110-083117, TF1-GT-112-090117, TF1-GT-120-090117, TF1-GT-128-083117, TF1-GT-131-090117, TF1-GZ-114-083117, TF1-GZ-117-083117, TF1-RB-090117

Aluminum in sequence S710191, sample S710191-CCV4: Analyte out of acceptance range in QC spike but no reportable concentration present in sample.

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 1715783 from source sample TF1-DUP-02-083117 (SC38778-03).

In batch 1716143 from source sample TF1-DUP-02-083117 (SC38778-03).

All method criteria were met with the following exceptions:

Iron in batch 1716143, lab sample 1716143-MSD1 from source sample TF1-DUP-02-083117 (SC38778-03): 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.

3. Post Spike Samples (PS):

A post spike was analyzed.

In batch 1715783 from source sample TF1-DUP-02-083117 (SC38778-03).

In batch 1716143 from source sample TF1-DUP-02-083117 (SC38778-03).

All method criteria were met.

D. Duplicates:

A duplicate was analyzed.

In batch 1715783 from source sample TF1-DUP-02-083117 (SC38778-03).

In batch 1716143 from source sample TF1-DUP-02-083117 (SC38778-03).

All method criteria were met.

E. Serial Dilutions:

All quality control criteria were met.

F. Samples:

All method criteria were met with the following exceptions:

Iron in batch 1716143, samples TF1-DUP-02-083117 (SC38778-03), TF1-EBP-GT124R-083117 (SC38778-01), TF1-GT-110-083117 (SC38778-02), TF1-GT-112-090117 (SC38778-09), TF1-GT-120-090117 (SC38778-10), TF1-GT-128-083117 (SC38778-04), TF1-GT-131-090117 (SC38778-11), TF1-GZ-114-083117 (SC38778-05), TF1-GZ-117-083117 (SC38778-06), TF1-RB-090117 (SC38778-12): MRL raised to correlate to batch QC reporting limits.

FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY
SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S710190

Instrument: ICAP5

Calibration: 1711041

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Cal Standard	S710190-CAL1	20170919-001	09/19/17 10:08
Cal Standard	S710190-CAL2	20170919-002	09/19/17 10:11
Cal Standard	S710190-CAL3	20170919-003	09/19/17 10:15
Cal Standard	S710190-CAL4	20170919-004	09/19/17 10:19
Cal Standard	S710190-CAL5	20170919-005	09/19/17 10:23
Cal Standard	S710190-CAL6	20170919-006	09/19/17 10:27
Cal Standard	S710190-CAL7	20170919-007	09/19/17 10:31
Cal Standard	S710190-CAL8	20170919-008	09/19/17 10:35
Cal Standard	S710190-CAL9	20170919-009	09/19/17 10:40
Cal Standard	S710190-CAL1	20170919-011	09/19/17 11:05
Initial Cal Check	S710190-ICV1	20170919-012	09/19/17 11:15
Initial Cal Blank	S710190-ICB1	20170919-013	09/19/17 11:20
Instrument RL Check	S710190-CRL1	20170919-014	09/19/17 11:25
Instrument RL Check	S710190-CRL2	20170919-015	09/19/17 11:30
Calibration Check	S710190-CCV1	20170919-018	09/19/17 11:45
Calibration Blank	S710190-CCB1	20170919-019	09/19/17 11:50
Initial Cal Check	S710190-ICV2	20170919-020	09/19/17 11:55

METALS ANALYSIS RUN LOG

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S710190

Instrument: ICAP5

Calibration: 1711041

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	S710190-CAL1	1	09/19/17 10:08	X						X									X								
Cal Standard	S710190-CAL2	1	09/19/17 10:11	X						X						X			X								
Cal Standard	S710190-CAL3	1	09/19/17 10:15	X						X						X			X								
Cal Standard	S710190-CAL4	1	09/19/17 10:19	X						X						X			X								
Cal Standard	S710190-CAL5	1	09/19/17 10:23	X						X						X			X								
Cal Standard	S710190-CAL6	1	09/19/17 10:27	X						X						X			X								
Cal Standard	S710190-CAL7	1	09/19/17 10:31	X						X						X			X								
Cal Standard	S710190-CAL8	1	09/19/17 10:35	X						X						X			X								
Cal Standard	S710190-CAL9	1	09/19/17 10:40	X						X									X								
Cal Standard	S710190-CAL1	1	09/19/17 11:05														X										
Initial Cal Check	S710190-ICV1	1	09/19/17 11:15	X						X						X			X								
Initial Cal Blank	S710190-ICB1	1	09/19/17 11:20	X						X						X			X								
Instrument RL Check	S710190-CRL1	1	09/19/17 11:25	X						X						X			X								
Instrument RL Check	S710190-CRL2	1	09/19/17 11:30	X						X						X			X								
Calibration Check	S710190-CCV1	1	09/19/17 11:45	X						X						X			X								
Calibration Blank	S710190-CCB1	1	09/19/17 11:50	X						X						X			X								
Initial Cal Check	S710190-ICV2	1	09/19/17 11:55	X						X						X			X								

FORM III - BLANKS

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Instrument ID: ICAP5

Calibration: 1711041

Sequence: S710190

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S710190-ICB1	Potassium	BRL	1.00	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
S710190-CCB1	Potassium	BRL	1.00	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

FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY
SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S710191

Instrument: ICAP5

Calibration: 1711041

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Calibration Check	S710191-CCV1	20170919-143	09/19/17 22:37
Calibration Blank	S710191-CCB1	20170919-144	09/19/17 22:42
Instrument RL Check	S710191-CRL1	20170919-145	09/19/17 22:48
Instrument RL Check	S710191-CRL2	20170919-146	09/19/17 22:53
Blank	1715783-BLK1	20170919-147	09/19/17 22:58
LCS	1715783-BS1	20170919-148	09/19/17 23:03
LCS Dup	1715783-BSD1	20170919-149	09/19/17 23:08
TF1-EBP-GT124R-083117	SC38778-01	20170919-150	09/19/17 23:13
TF1-GT-110-083117	SC38778-02	20170919-151	09/19/17 23:18
TF1-DUP-02-083117	SC38778-03	20170919-153	09/19/17 23:29
TF1-DUP-02-083117	1715783-DUP1	20170919-154	09/19/17 23:34
TF1-DUP-02-083117	1715783-MS1	20170919-155	09/19/17 23:39
TF1-DUP-02-083117	1715783-MSD1	20170919-156	09/19/17 23:44
Calibration Check	S710191-CCV2	20170919-157	09/19/17 23:49
Calibration Blank	S710191-CCB2	20170919-158	09/19/17 23:54
TF1-DUP-02-083117	1715783-PS1	20170919-159	09/19/17 23:59
TF1-GT-128-083117	SC38778-04	20170919-160	09/20/17 00:04
TF1-GZ-114-083117	SC38778-05	20170919-161	09/20/17 00:09
TF1-GZ-117-083117	SC38778-06	20170919-162	09/20/17 00:14
TF1-GT-112-090117	SC38778-09	20170919-163	09/20/17 00:20
TF1-GT-120-090117	SC38778-10	20170919-164	09/20/17 00:25
TF1-GT-131-090117	SC38778-11	20170919-165	09/20/17 00:30
Instrument RL Check	S710191-CRL3	20170919-166	09/20/17 00:35
Instrument RL Check	S710191-CRL4	20170919-167	09/20/17 00:40
Interference Check A	S710191-IFA1	20170919-168	09/20/17 00:45
Interference Check B	S710191-IFB1	20170919-169	09/20/17 00:51
Calibration Check	S710191-CCV3	20170919-170	09/20/17 00:56
Calibration Blank	S710191-CCB3	20170919-171	09/20/17 01:01
TF1-RB-090117	SC38778-12	20170919-172	09/20/17 01:06
Calibration Check	S710191-CCV4	20170919-173	09/20/17 01:11
Calibration Blank	S710191-CCB4	20170919-174	09/20/17 01:16
Instrument RL Check	S710191-CRL5	20170919-175	09/20/17 01:21
Instrument RL Check	S710191-CRL6	20170919-176	09/20/17 01:27

FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY
SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S710191

Instrument: ICAP5

Calibration: 1711041

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Interference Check A	S710191-IFA2	20170919-177	09/20/17 01:32
Interference Check B	S710191-IFB2	20170919-178	09/20/17 01:37

METALS ANALYSIS RUN LOG

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S710191

Instrument: ICAP5

Calibration: 1711041

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	S710191-CCV1	1	09/19/17 22:37	X						X						X				X							
Calibration Blank	S710191-CCB1	1	09/19/17 22:42	X						X						X				X							
Instrument RL Check	S710191-CRL1	1	09/19/17 22:48	X						X						X				X							
Instrument RL Check	S710191-CRL2	1	09/19/17 22:53	X						X						X				X							
Blank	1715783-BLK1	1	09/19/17 22:58	X						X						X				X							
LCS	1715783-BS1	1	09/19/17 23:03	X						X						X				X							
LCS Dup	1715783-BSD1	1	09/19/17 23:08	X						X						X				X							
TF1-EBP-GT124R-08	SC38778-01	1	09/19/17 23:13	X						X						X				X							
TF1-GT-110-083117	SC38778-02	1	09/19/17 23:18	X						X						X				X							
TF1-DUP-02-083117	SC38778-03	1	09/19/17 23:29	X						X						X				X							
TF1-DUP-02-083117	1715783-DUP1	1	09/19/17 23:34	X						X						X				X							
TF1-DUP-02-083117	1715783-MS1	1	09/19/17 23:39	X						X						X				X							
TF1-DUP-02-083117	1715783-MSD1	1	09/19/17 23:44	X						X						X				X							
Calibration Check	S710191-CCV2	1	09/19/17 23:49	X						X						X				X							
Calibration Blank	S710191-CCB2	1	09/19/17 23:54	X						X						X				X							
TF1-DUP-02-083117	1715783-PS1	1	09/19/17 23:59	X						X						X				X							
TF1-GT-128-083117	SC38778-04	1	09/20/17 00:04	X						X						X				X							
TF1-GZ-114-083117	SC38778-05	1	09/20/17 00:09	X						X						X				X							
TF1-GZ-117-083117	SC38778-06	1	09/20/17 00:14	X						X						X				X							
TF1-GT-112-090117	SC38778-09	1	09/20/17 00:20	X						X						X				X							
TF1-GT-120-090117	SC38778-10	1	09/20/17 00:25	X						X						X				X							
TF1-GT-131-090117	SC38778-11	1	09/20/17 00:30	X						X						X				X							
Instrument RL Check	S710191-CRL3	1	09/20/17 00:35	X						X						X				X							
Instrument RL Check	S710191-CRL4	1	09/20/17 00:40	X						X						X				X							
Interference Check A	S710191-IFA1	1	09/20/17 00:45	X						X				X		X				X							
Interference Check B	S710191-IFB1	1	09/20/17 00:51	X						X				X		X				X							
Calibration Check	S710191-CCV3	1	09/20/17 00:56	X						X						X				X							
Calibration Blank	S710191-CCB3	1	09/20/17 01:01	X						X						X				X							
TF1-RB-090117	SC38778-12	1	09/20/17 01:06	X						X						X				X							
Calibration Check	S710191-CCV4	1	09/20/17 01:11	X						X						X				X							
Calibration Blank	S710191-CCB4	1	09/20/17 01:16	X						X						X				X							
Instrument RL Check	S710191-CRL5	1	09/20/17 01:21	X						X						X				X							
Instrument RL Check	S710191-CRL6	1	09/20/17 01:27	X						X						X				X							
Interference Check A	S710191-IFA2	1	09/20/17 01:32	X						X				X		X				X							

FORM III - BLANKS**SW846 6010C**Laboratory: Eurofins Spectrum Analytical, Inc. - MASDG: SC38778Client: Tetra Tech, Inc. - Salem, NHProject: WE15 Tank Farm 1 NAVSTA NewportInstrument ID: ICAP5Calibration: 1711041Sequence: S710191

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S710191-CCB1	Potassium	BRL	1.00	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
1715783-BLK1	Potassium	BRL	1.00	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
S710191-CCB2	Potassium	BRL	1.00	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
S710191-CCB3	Potassium	BRL	1.00	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
S710191-CCB4	Potassium	BRL	1.00	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

FORM IV - ICP INTERFERENCE CHECK SAMPLE**SW846 6010C**Laboratory: Eurofins Spectrum Analytical, Inc. - MASDG: SC38778Client: Tetra Tech, Inc. - Salem, NHProject: WE15 Tank Farm 1 NAVSTA NewportInstrument ID: ICAP5Calibration: 1711041Sequence: S710191Units: mg/l

Lab Sample ID	Analyte	True	Found	%R
S710191-IFA1	Iron	100	86.61000	87
	Potassium		-0.01060	
	Aluminum	250	265.70000	106
	Calcium	250	231.30000	93
	Magnesium	250	232.40000	93
S710191-IFB1	Iron	100	84.93000	85
	Potassium		-0.00770	
	Aluminum	250	263.80000	106
	Calcium	250	226.20000	90
	Magnesium	250	229.20000	92
S710191-IFA2	Iron	100	86.19000	86
	Potassium		-0.01190	
	Aluminum	250	261.50000	105
	Calcium	250	229.20000	92
	Magnesium	250	232.40000	93
S710191-IFB2	Iron	100	88.72000	89
	Potassium		-0.01440	
	Aluminum	250	265.00000	106
	Calcium	250	236.40000	95
	Magnesium	250	236.00000	94

* Values outside of QC limits (Acceptance Limits: +/- 20% of the true value or +/- 2xMRL)

FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY
SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S710435

Instrument: ICAP5

Calibration: 1711057

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Cal Standard	S710435-CAL1	20170920-001	09/20/17 11:26
Cal Standard	S710435-CAL2	20170920-002	09/20/17 11:30
Cal Standard	S710435-CAL3	20170920-003	09/20/17 11:34
Cal Standard	S710435-CAL4	20170920-004	09/20/17 11:38
Cal Standard	S710435-CAL5	20170920-005	09/20/17 11:42
Cal Standard	S710435-CAL6	20170920-006	09/20/17 11:45
Cal Standard	S710435-CAL7	20170920-007	09/20/17 11:49
Cal Standard	S710435-CAL8	20170920-008	09/20/17 11:54
Cal Standard	S710435-CAL9	20170920-009	09/20/17 11:58
Initial Cal Check	S710435-ICV1	20170920-010	09/20/17 12:09
Initial Cal Blank	S710435-ICB1	20170920-011	09/20/17 12:14
Instrument RL Check	S710435-CRL1	20170920-012	09/20/17 12:19
Instrument RL Check	S710435-CRL2	20170920-013	09/20/17 12:24
Calibration Check	S710435-CCV1	20170920-016	09/20/17 12:39
Calibration Blank	S710435-CCB1	20170920-017	09/20/17 12:44
Initial Cal Check	S710435-ICV2	20170920-018	09/20/17 12:55
Instrument RL Check	S710435-CRL3	20170920-019	09/20/17 13:04

METALS ANALYSIS RUN LOG

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S710435

Instrument: ICAP5

Calibration: 1711057

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	S710435-CAL1	1	09/20/17 11:26											X								X									
Cal Standard	S710435-CAL2	1	09/20/17 11:30											X								X									
Cal Standard	S710435-CAL3	1	09/20/17 11:34											X								X									
Cal Standard	S710435-CAL4	1	09/20/17 11:38											X								X									
Cal Standard	S710435-CAL5	1	09/20/17 11:42											X								X									
Cal Standard	S710435-CAL6	1	09/20/17 11:45											X								X									
Cal Standard	S710435-CAL7	1	09/20/17 11:49											X								X									
Cal Standard	S710435-CAL8	1	09/20/17 11:54											X								X									
Cal Standard	S710435-CAL9	1	09/20/17 11:58											X								X									
Initial Cal Check	S710435-ICV1	1	09/20/17 12:09																			X									
Initial Cal Blank	S710435-ICB1	1	09/20/17 12:14											X								X									
Instrument RL Check	S710435-CRL1	1	09/20/17 12:19																			X									
Instrument RL Check	S710435-CRL2	1	09/20/17 12:24											X								X									
Calibration Check	S710435-CCV1	1	09/20/17 12:39											X								X									
Calibration Blank	S710435-CCB1	1	09/20/17 12:44											X								X									
Initial Cal Check	S710435-ICV2	1	09/20/17 12:55											X																	
Instrument RL Check	S710435-CRL3	1	09/20/17 13:04											X																	

FORM III - BLANKS

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Instrument ID: ICAP5

Calibration: 1711057

Sequence: S710435

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S710435-ICB1	Iron	BRL	0.0300	mg/l	U	SW846 6010C
	Sodium	BRL	0.500	mg/l	U	SW846 6010C
S710435-CCB1	Iron	BRL	0.0300	mg/l	U	SW846 6010C
	Sodium	BRL	0.500	mg/l	U	SW846 6010C

FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY
SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S710436

Instrument: ICAP5

Calibration: 1711057

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Instrument RL Check	S710436-CRL1	20170920-040	09/20/17 14:54
Instrument RL Check	S710436-CRL2	20170920-108	09/20/17 20:51
Calibration Check	S710436-CCV1	20170920-119	09/20/17 21:46
Calibration Blank	S710436-CCB1	20170920-120	09/20/17 21:51
Blank	1716143-BLK1	20170920-121	09/20/17 21:56
LCS	1716143-BS1	20170920-122	09/20/17 22:01
LCS Dup	1716143-BSD1	20170920-123	09/20/17 22:06
TF1-EBP-GT124R-083117	SC38778-01	20170920-124	09/20/17 22:11
TF1-GT-110-083117	S710436-SRD1	20170920-125	09/20/17 22:16
TF1-GT-110-083117	SC38778-02	20170920-126	09/20/17 22:21
TF1-DUP-02-083117	SC38778-03	20170920-127	09/20/17 22:26
TF1-DUP-02-083117	1716143-DUP1	20170920-128	09/20/17 22:32
TF1-DUP-02-083117	1716143-MS1	20170920-129	09/20/17 22:37
TF1-DUP-02-083117	1716143-MSD1	20170920-130	09/20/17 22:41
Calibration Check	S710436-CCV2	20170920-131	09/20/17 22:46
Calibration Blank	S710436-CCB2	20170920-132	09/20/17 22:51
TF1-DUP-02-083117	1716143-PS1	20170920-133	09/20/17 22:56
TF1-GT-128-083117	SC38778-04	20170920-134	09/20/17 23:01
TF1-GZ-114-083117	SC38778-05	20170920-135	09/20/17 23:06
TF1-GZ-117-083117	SC38778-06	20170920-136	09/20/17 23:12
TF1-GT-112-090117	SC38778-09	20170920-137	09/20/17 23:17
TF1-GT-120-090117	SC38778-10	20170920-138	09/20/17 23:22
Instrument RL Check	S710436-CRL3	20170920-139	09/20/17 23:27
Instrument RL Check	S710436-CRL4	20170920-140	09/20/17 23:32
Interference Check A	S710436-IFA1	20170920-141	09/20/17 23:37
Interference Check B	S710436-IFB1	20170920-142	09/20/17 23:42
Calibration Check	S710436-CCV3	20170920-143	09/20/17 23:47
Calibration Blank	S710436-CCB3	20170920-144	09/20/17 23:52
TF1-GT-131-090117	SC38778-11	20170920-145	09/20/17 23:58
TF1-RB-090117	SC38778-12	20170920-146	09/21/17 00:03
Calibration Check	S710436-CCV4	20170920-147	09/21/17 00:08
Calibration Blank	S710436-CCB4	20170920-148	09/21/17 00:13
Instrument RL Check	S710436-CRL5	20170920-149	09/21/17 00:18

FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY
SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S710436

Instrument: ICAP5

Calibration: 1711057

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Instrument RL Check	S710436-CRL6	20170920-150	09/21/17 00:23
Interference Check A	S710436-IFA2	20170920-151	09/21/17 00:28
Interference Check B	S710436-IFB2	20170920-152	09/21/17 00:33

METALS ANALYSIS RUN LOG

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S710436

Instrument: ICAP5

Calibration: 1711057

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
Instrument RL Check	S710436-CRL1	1	09/20/17 14:54											X								X					
Instrument RL Check	S710436-CRL2	1	09/20/17 20:51											X								X					
Calibration Check	S710436-CCV1	1	09/20/17 21:46											X								X					
Calibration Blank	S710436-CCB1	1	09/20/17 21:51											X								X					
Blank	1716143-BLK1	1	09/20/17 21:56											X								X					
LCS	1716143-BS1	1	09/20/17 22:01											X								X					
LCS Dup	1716143-BSD1	1	09/20/17 22:06											X								X					
TF1-EBP-GT124R-08	SC38778-01	1	09/20/17 22:11											X								X					
TF1-GT-110-083117	S710436-SRD1	5	09/20/17 22:16											X								X					
TF1-GT-110-083117	SC38778-02	1	09/20/17 22:21											X								X					
TF1-DUP-02-083117	SC38778-03	1	09/20/17 22:26											X								X					
TF1-DUP-02-083117	1716143-DUP1	1	09/20/17 22:32											X								X					
TF1-DUP-02-083117	1716143-MS1	1	09/20/17 22:37											X								X					
TF1-DUP-02-083117	1716143-MSD1	1	09/20/17 22:41											X								X					
Calibration Check	S710436-CCV2	1	09/20/17 22:46											X								X					
Calibration Blank	S710436-CCB2	1	09/20/17 22:51											X								X					
TF1-DUP-02-083117	1716143-PS1	1	09/20/17 22:56											X								X					
TF1-GT-128-083117	SC38778-04	1	09/20/17 23:01											X								X					
TF1-GZ-114-083117	SC38778-05	1	09/20/17 23:06											X								X					
TF1-GZ-117-083117	SC38778-06	1	09/20/17 23:12											X								X					
TF1-GT-112-090117	SC38778-09	1	09/20/17 23:17											X								X					
TF1-GT-120-090117	SC38778-10	1	09/20/17 23:22											X								X					
Instrument RL Check	S710436-CRL3	1	09/20/17 23:27											X								X					
Instrument RL Check	S710436-CRL4	1	09/20/17 23:32											X								X					
Interference Check A	S710436-IFA1	1	09/20/17 23:37	X						X				X		X						X					
Interference Check B	S710436-IFB1	1	09/20/17 23:42	X						X				X		X						X					
Calibration Check	S710436-CCV3	1	09/20/17 23:47											X								X					
Calibration Blank	S710436-CCB3	1	09/20/17 23:52											X								X					
TF1-GT-131-090117	SC38778-11	1	09/20/17 23:58											X								X					
TF1-RB-090117	SC38778-12	1	09/21/17 00:03											X								X					
Calibration Check	S710436-CCV4	1	09/21/17 00:08											X								X					
Calibration Blank	S710436-CCB4	1	09/21/17 00:13											X								X					
Instrument RL Check	S710436-CRL5	1	09/21/17 00:18											X								X					
Instrument RL Check	S710436-CRL6	1	09/21/17 00:23											X								X					

METALS ANALYSIS RUN LOG

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S710436

Instrument: ICAP5

Calibration: 1711057

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
Interference Check A	S710436-IFA2	1	09/21/17 00:28	X						X				X		X						X				
Interference Check B	S710436-IFB2	1	09/21/17 00:33	X						X				X		X						X				

FORM III - BLANKS**SW846 6010C**Laboratory: Eurofins Spectrum Analytical, Inc. - MASDG: SC38778Client: Tetra Tech, Inc. - Salem, NHProject: WE15 Tank Farm 1 NAVSTA NewportInstrument ID: ICAP5Calibration: 1711057Sequence: S710436

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S710436-CCB1	Iron	BRL	0.0300	mg/l	U	SW846 6010C
	Sodium	BRL	0.500	mg/l	U	SW846 6010C
1716143-BLK1	Iron	0.0091	0.0800	mg/l	J	SW846 6010C
	Sodium	BRL	0.500	mg/l	U	SW846 6010C
S710436-CCB2	Iron	BRL	0.0300	mg/l	U	SW846 6010C
	Sodium	BRL	0.500	mg/l	U	SW846 6010C
S710436-CCB3	Iron	BRL	0.0300	mg/l	U	SW846 6010C
	Sodium	BRL	0.500	mg/l	U	SW846 6010C
S710436-CCB4	Iron	BRL	0.0300	mg/l	U	SW846 6010C
	Sodium	BRL	0.500	mg/l	U	SW846 6010C

FORM IV - ICP INTERFERENCE CHECK SAMPLE**SW846 6010C**Laboratory: Eurofins Spectrum Analytical, Inc. - MASDG: SC38778Client: Tetra Tech, Inc. - Salem, NHProject: WE15 Tank Farm 1 NAVSTA NewportInstrument ID: ICAP5Calibration: 1711057Sequence: S710436Units: mg/l

Lab Sample ID	Analyte	True	Found	%R
S710436-IFA1	Magnesium	250	228.70000	91
	Iron	100	101.00000	101
	Sodium		-0.00500	
	Aluminum	250	231.50000	93
	Calcium	250	259.50000	104
S710436-IFB1	Magnesium	250	233.50000	93
	Iron	100	100.50000	100
	Sodium		-0.00810	
	Aluminum	250	238.80000	96
	Calcium	250	257.80000	103
S710436-IFA2	Magnesium	250	229.30000	92
	Iron	100	99.88000	100
	Sodium		-0.00940	
	Aluminum	250	232.40000	93
	Calcium	250	255.00000	102
S710436-IFB2	Magnesium	250	239.70000	96
	Iron	100	102.40000	102
	Sodium		-0.00810	
	Aluminum	250	244.10000	98
	Calcium	250	261.70000	105

* Values outside of QC limits (Acceptance Limits: +/- 20% of the true value or +/- 2xMRL)

PREPARATION BENCH SHEET

1715783

Eurofins Spectrum Analytical, Inc. - MA

Matrix: Aqueous

Prepared using: Metals - SW846 3005A

Rebatch Fe, Na 1716143

Lab Number	Prepared	Initial (ml)	Final (ml)	Source ID	Spike ID	ul Spike	Spike 2 ID	ul Spike 2	Comments	Client ID	Collected	Due
1715783-BLK1	18-Sep-17 15:30	50	50							Blank	18-Sep-17 15:30	
1715783-BS1	18-Sep-17 15:30	50	50		17H1034	5000				LCS	18-Sep-17 15:30	
1715783-BSD1	18-Sep-17 15:30	50	50		17H1034	5000				LCS Dup	18-Sep-17 15:30	
1715783-DUP1	18-Sep-17 15:30	50	50	SC38778-03						Duplicate	31-Aug-17 00:00	
1715783-MS1	18-Sep-17 15:30	50	50	SC38778-03	17H1034	5000				Matrix Spike	31-Aug-17 00:00	
1715783-MSD1	18-Sep-17 15:30	50	50	SC38778-03	17H1034	5000				Matrix Spike Dup	31-Aug-17 00:00	
1715783-PS1	18-Sep-17 15:30	50	50	SC38778-03	17H1034	5000				Post Spike	31-Aug-17 00:00	
SC38778-01	18-Sep-17 15:30	50	50							TF1-EBP-GT124R	31-Aug-17 16:22	13-Sep-17 16:00
Al Total ICP 6010 DoD	Ca Total ICP 6010 DoD	Fe Total ICP 6010 DoD	K Total ICP 6010 DoD	Mg Total ICP 6010 DoD	Na Total ICP 6010 DoD							
DoD Level IV	DoD Level IV	DoD Level IV	DoD Level IV	DoD Level IV	DoD Level IV							
SC38778-02	18-Sep-17 15:30	50	50							TF1-GT-110-0831	31-Aug-17 10:56	13-Sep-17 16:00
Al Total ICP 6010 DoD	Ca Total ICP 6010 DoD	Fe Total ICP 6010 DoD	K Total ICP 6010 DoD	Mg Total ICP 6010 DoD	Na Total ICP 6010 DoD							
DoD Level IV	DoD Level IV	DoD Level IV	DoD Level IV	DoD Level IV	DoD Level IV							
SC38778-03	18-Sep-17 15:30	50	50							TF1-DUP-02-0831	31-Aug-17 00:00	13-Sep-17 16:00
Al Total ICP 6010 DoD	Ca Total ICP 6010 DoD	Fe Total ICP 6010 DoD	K Total ICP 6010 DoD	Mg Total ICP 6010 DoD	Na Total ICP 6010 DoD							
DoD Level IV	DoD Level IV	DoD Level IV	DoD Level IV	DoD Level IV	DoD Level IV							
SC38778-04	18-Sep-17 15:30	50	50							TF1-GT-128-0831	31-Aug-17 14:40	13-Sep-17 16:00
Al Total ICP 6010 DoD	Ca Total ICP 6010 DoD	Fe Total ICP 6010 DoD	K Total ICP 6010 DoD	Mg Total ICP 6010 DoD	Na Total ICP 6010 DoD							
DoD Level IV	DoD Level IV	DoD Level IV	DoD Level IV	DoD Level IV	DoD Level IV							
SC38778-05	18-Sep-17 15:30	50	50							TF1-GZ-114-0831	31-Aug-17 09:15	13-Sep-17 16:00
Al Total ICP 6010 DoD	Ca Total ICP 6010 DoD	Fe Total ICP 6010 DoD	K Total ICP 6010 DoD	Mg Total ICP 6010 DoD	Na Total ICP 6010 DoD							
DoD Level IV	DoD Level IV	DoD Level IV	DoD Level IV	DoD Level IV	DoD Level IV							
SC38778-06	18-Sep-17 15:30	50	50							TF1-GZ-117-0831	31-Aug-17 15:05	13-Sep-17 16:00
Al Total ICP 6010 DoD	Ca Total ICP 6010 DoD	Fe Total ICP 6010 DoD	K Total ICP 6010 DoD	Mg Total ICP 6010 DoD	Na Total ICP 6010 DoD							
DoD Level IV	DoD Level IV	DoD Level IV	DoD Level IV	DoD Level IV	DoD Level IV							
SC38778-09	18-Sep-17 15:30	50	50							TF1-GT-112-0901	01-Sep-17 09:00	13-Sep-17 16:00
Al Total ICP 6010 DoD	Ca Total ICP 6010 DoD	Fe Total ICP 6010 DoD	K Total ICP 6010 DoD	Mg Total ICP 6010 DoD	Na Total ICP 6010 DoD							
DoD Level IV	DoD Level IV	DoD Level IV	DoD Level IV	DoD Level IV	DoD Level IV							

Crew 9/22/17

Analyst Reviewed

Date

SMP 9/22/17

Manager Reviewed

Date

JNB

Prepared By

9/18/17

Date

Printed: 9/18/2017 8:24:18PM

Pipet used for dilutions:

P11

PREPARATION BENCH SHEET

1715783

Eurofins Spectrum Analytical, Inc. - MA

Matrix: Aqueous

Prepared using: Metals - SW846 3005A

Lab Number	Prepared	Initial (ml)	Final (ml)	Source ID	Spike ID	ul Spike	Spike 2 ID	ul Spike 2	Comments	Client ID	Collected	Due
SC38778-10	18-Sep-17 15:30	50	50							TF1-GT-120-0901	01-Sep-17 09:07	13-Sep-17 16:00
<i>Al Total ICP 6010 DoD</i>	<i>Ca Total ICP 6010 DoD</i>	<i>Fe Total ICP 6010 DoD</i>	<i>K Total ICP 6010 DoD</i>	<i>Mg Total ICP 6010 DoD</i>	<i>Na Total ICP 6010 DoD</i>							
DoD Level IV	DoD Level IV	DoD Level IV	DoD Level IV	DoD Level IV	DoD Level IV							
SC38778-11	18-Sep-17 15:30	50	50							TF1-GT-131-0901	01-Sep-17 09:03	13-Sep-17 16:00
<i>Al Total ICP 6010 DoD</i>	<i>Ca Total ICP 6010 DoD</i>	<i>Fe Total ICP 6010 DoD</i>	<i>K Total ICP 6010 DoD</i>	<i>Mg Total ICP 6010 DoD</i>	<i>Na Total ICP 6010 DoD</i>							
DoD Level IV	DoD Level IV	DoD Level IV	DoD Level IV	DoD Level IV	DoD Level IV							
SC38778-12	18-Sep-17 15:30	50	50							TF1-RB-090117	01-Sep-17 10:00	13-Sep-17 16:00
<i>Al Total ICP 6010 DoD</i>	<i>Ca Total ICP 6010 DoD</i>	<i>Fe Total ICP 6010 DoD</i>	<i>K Total ICP 6010 DoD</i>	<i>Mg Total ICP 6010 DoD</i>	<i>Na Total ICP 6010 DoD</i>							
DoD Level IV	DoD Level IV	DoD Level IV	DoD Level IV	DoD Level IV	DoD Level IV							

9/18/17 AQ 6010 METALS I

DoD

Caw 9/22/17
Analyst Reviewed Date

SMR 9.22.17
Manager Reviewed Date

UB 9/18/17
Prepared By Date

Printed: 9/18/2017 8:24:18PM

Pipet used for dilutions: _____

FORM IIIa - LCS / LCS DUPLICATE RECOVERY

SW846 6010C

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
 Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
 Matrix: Aqueous Instrument: ICAP5
 Batch: 1715783 Laboratory ID: 1715783-BS1
 Preparation: SW846 3005A Initial/Final: 50 ml / 50 ml
 Analyzed: 09/19/17 23:03 Spike ID: 17H1034
 File ID: 20170919-148

COMPOUND	SPIKE ADDED (mg/l)	LCS CONCENTRATION (mg/l)	LCS % REC. #	QC LIMITS REC.
Potassium	25.0	25.2	101	86 - 114
Aluminum	2.50	2.62	105	86 - 115
Calcium	12.5	11.8	94	87 - 113
Magnesium	2.50	2.52	101	85 - 113

File ID: 20170919-149

COMPOUND	SPIKE ADDED (mg/l)	LCSD CONCENTRATION (mg/l)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Potassium	25.0	25.6	102	2	20	86 - 114
Aluminum	2.50	2.60	104	1	20	86 - 115
Calcium	12.5	11.8	94	0.3	20	87 - 113
Magnesium	2.50	2.57	103	2	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 IIIb (Organic) / FORM V (Inorganic)
MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

TF1-DUP-02-083117

SW846 6010C

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC38778</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>1715783</u>	Laboratory ID:	<u>1715783-MS1</u>
Preparation:	<u>SW846 3005A</u>	Initial/Final:	<u>50 ml / 50 ml</u>
Source Sample Name:	<u>TF1-DUP-02-083117</u>	% Solids:	
		Spike ID:	17H1034
		File ID:	<u>20170919-155</u>

COMPOUND	SPIKE ADDED (mg/l)	SAMPLE CONCENTRATION (mg/l)	MS CONCENTRATION (mg/l)	MS % REC. #	QC LIMITS REC.
Potassium	25.0	1.09	26.1	100	86 - 114
Aluminum	2.50	BRL	2.59	104	86 - 115
Calcium	12.5	7.82	19.0	89	87 - 113
Magnesium	2.50	6.97	9.28	93	85 - 113

File ID: 20170919-156

COMPOUND	SPIKE ADDED (mg/l)	MSD CONCENTRATION (mg/l)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Potassium	25.0	26.0	100	0.5	20	86 - 114
Aluminum	2.50	2.60	104	0.2	20	86 - 115
Calcium	12.5	19.3	92	2	20	87 - 113
Magnesium	2.50	9.26	92	0.2	20	85 - 113

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

* Values outside of QC limits

FORM Vb - POST DIGEST SPIKE SAMPLE RECOVERY

TF1-DUP-02-083117

SW846 6010CLaboratory: Eurofins Spectrum Analytical, Inc. - MASDG: SC38778Client: Tetra Tech, Inc. - Salem, NHProject: WE15 Tank Farm 1 NAVSTA NewportMatrix: AqueousLaboratory ID: 1715783-PS1Batch: 1715783Lab Source ID: SC38778-03Preparation: SW846 3005AInitial/Final: 50 ml / 50 mlSource Sample Name: TF1-DUP-02-083117

% Solids:

Analyte	Control Limit %R	Spike Sample Result (SSR) (mg/l)	Sample Result (SR) (mg/l)	Spike Added (SA) (mg/l)	%R	Method
Potassium	80 - 120	26.5	1.09	25.0	102	SW846 6010C
Aluminum	80 - 120	2.64	BRL	2.50	106	SW846 6010C
Calcium	80 - 120	19.8	7.82	12.5	96	SW846 6010C
Magnesium	80 - 120	9.52	6.97	2.50	102	SW846 6010C

* Values outside of QC limits

FORM IIIc - DUPLICATES**TF1-DUP-02-083117****SW846 6010C**Laboratory: Eurofins Spectrum Analytical, Inc. - MASDG: SC38778Client: Tetra Tech, Inc. - Salem, NHProject: WE15 Tank Farm 1 NAVSTA NewportMatrix: AqueousLaboratory ID: 1715783-DUP1Batch: 1715783Lab Source ID: SC38778-03Preparation: SW846 3005AInitial/Final: 50 ml / 50 mlSource Sample Name: TF1-DUP-02-083117

% Solids:

File ID: 20170919-154

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/l)	C	DUPLICATE CONCENTRATION (mg/l)	C	RPD %	Q	METHOD
Potassium	20	1.09		1.09		0.4		SW846 6010C
Aluminum	20	BRL		BDL				SW846 6010C
Calcium	20	7.82		7.62		3		SW846 6010C
Magnesium	20	6.97		6.90		1		SW846 6010C

* Values outside of QC limits

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

PREPARATION BENCH SHEET

1716143

Eurofins Spectrum Analytical, Inc. - MA

Matrix: Aqueous

Prepared using: Metals - SW846 3005A

Lab Number	Prepared	Initial (ml)	Final (ml)	Source ID	Spike ID	ul Spike	Spike 2 ID	ul Spike 2	Comments	Client ID	Collected	Due
1716143-BLK1	18-Sep-17 15:30	50	50							Blank	18-Sep-17 15:30	
1716143-BS1	18-Sep-17 15:30	50	50		17H1034	5000				LCS	18-Sep-17 15:30	
1716143-BSD1	18-Sep-17 15:30	50	50		17H1034	5000				LCS Dup	18-Sep-17 15:30	
1716143-DUP1	18-Sep-17 15:30	50	50	SC38778-03						Duplicate	31-Aug-17 00:00	
1716143-MS1	18-Sep-17 15:30	50	50	SC38778-03	17H1034	5000				Matrix Spike	31-Aug-17 00:00	
1716143-MSD1	18-Sep-17 15:30	50	50	SC38778-03	17H1034	5000				Matrix Spike Dup	31-Aug-17 00:00	
1716143-PS1	18-Sep-17 15:30	50	50	SC38778-03	17H1034	5000				Post Spike	31-Aug-17 00:00	
SC38778-01	18-Sep-17 15:30	50	50							TF1-EBP-GT124R	31-Aug-17 16:22	13-Sep-17 16:00
<i>Fe Total ICP 6010 DoD</i> <i>Na Total ICP 6010 DoD</i> DoD Level IV DoD Level IV												
SC38778-02	18-Sep-17 15:30	50	50							TF1-GT-110-0831	31-Aug-17 10:56	13-Sep-17 16:00
<i>Fe Total ICP 6010 DoD</i> <i>Na Total ICP 6010 DoD</i> DoD Level IV DoD Level IV												
SC38778-03	18-Sep-17 15:30	50	50							TF1-DUP-02-0831	31-Aug-17 00:00	13-Sep-17 16:00
<i>Fe Total ICP 6010 DoD</i> <i>Na Total ICP 6010 DoD</i> DoD Level IV DoD Level IV												
SC38778-04	18-Sep-17 15:30	50	50							TF1-GT-128-0831	31-Aug-17 14:40	13-Sep-17 16:00
<i>Fe Total ICP 6010 DoD</i> <i>Na Total ICP 6010 DoD</i> DoD Level IV DoD Level IV												
SC38778-05	18-Sep-17 15:30	50	50							TF1-GZ-114-0831	31-Aug-17 09:15	13-Sep-17 16:00
<i>Fe Total ICP 6010 DoD</i> <i>Na Total ICP 6010 DoD</i> DoD Level IV DoD Level IV												
SC38778-06	18-Sep-17 15:30	50	50							TF1-GZ-117-0831	31-Aug-17 15:05	13-Sep-17 16:00
<i>Fe Total ICP 6010 DoD</i> <i>Na Total ICP 6010 DoD</i> DoD Level IV DoD Level IV												
SC38778-09	18-Sep-17 15:30	50	50							TF1-GT-112-0901	01-Sep-17 09:00	13-Sep-17 16:00
<i>Fe Total ICP 6010 DoD</i> <i>Na Total ICP 6010 DoD</i> DoD Level IV DoD Level IV												

Caw 9/22/17

Analyst Reviewed

Date

SMR 9-22-17

Manager Reviewed

Date

Prepared By

Date

Printed: 9/20/2017 1:59:44PM

Pipet used for dilutions:

P11

Page 1 of 2

PREPARATION BENCH SHEET

1716143

Eurofins Spectrum Analytical, Inc. - MA

Matrix: Aqueous

Prepared using: Metals - SW846 3005A

Lab Number	Prepared	Initial (ml)	Final (ml)	Source ID	Spike ID	ul Spike	Spike 2 ID	ul Spike 2	Comments	Client ID	Collected	Due
SC38778-10	18-Sep-17 15:30	50	50							TF1-GT-120-0901	01-Sep-17 09:07	13-Sep-17 16:00
<i>Fe Total ICP 6010 DoD</i>		<i>Na Total ICP 6010 DoD</i>										
DoD Level IV		DoD Level IV										
SC38778-11	18-Sep-17 15:30	50	50							TF1-GT-131-0901	01-Sep-17 09:03	13-Sep-17 16:00
<i>Fe Total ICP 6010 DoD</i>		<i>Na Total ICP 6010 DoD</i>										
DoD Level IV		DoD Level IV										
SC38778-12	18-Sep-17 15:30	50	50							TF1-RB-090117	01-Sep-17 10:00	13-Sep-17 16:00
<i>Fe Total ICP 6010 DoD</i>		<i>Na Total ICP 6010 DoD</i>										
DoD Level IV		DoD Level IV										

9/18/17 AQ 6010 metals I

From 1715783 on 20-Sep-17 by TBC

Rebatch for Tier rerun

Analyst Reviewed _____ Date _____

Manager Reviewed SMP 9.22.17 _____ Date _____

Prepared By _____ Date _____

Printed: 9/20/2017 1:59:44PM

Pipet used for dilutions: _____

Page 2 of 2

FORM IIIa - LCS / LCS DUPLICATE RECOVERY**SW846 6010C**Laboratory: Eurofins Spectrum Analytical, Inc. - MASDG: SC38778Client: Tetra Tech, Inc. - Salem, NHProject: WE15 Tank Farm 1 NAVSTA NewportMatrix: AqueousInstrument: ICAP5Batch: 1716143Laboratory ID: 1716143-BS1Preparation: SW846 3005AInitial/Final: 50 ml / 50 mlAnalyzed: 09/20/17 22:01Spike ID: 17H1034File ID: 20170920-122

COMPOUND	SPIKE ADDED (mg/l)	LCS CONCENTRATION (mg/l)	LCS % REC. #	QC LIMITS REC.
Iron	2.50	2.70	108	87 - 115
Sodium	12.5	11.7	94	87 - 115

File ID: 20170920-123

COMPOUND	SPIKE ADDED (mg/l)	LCSD CONCENTRATION (mg/l)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Iron	2.50	2.77	111	2	20	87 - 115
Sodium	12.5	12.5	100	7	20	87 - 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-DUP-02-083117

SW846 6010C

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC38778</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>1716143</u>	Laboratory ID:	<u>1716143-MS1</u>
Preparation:	<u>SW846 3005A</u>	Initial/Final:	<u>50 ml / 50 ml</u>
Source Sample Name:	<u>TF1-DUP-02-083117</u>	% Solids:	
		Spike ID:	17H1034
		File ID:	<u>20170920-129</u>

COMPOUND	SPIKE ADDED (mg/l)	SAMPLE CONCENTRATION (mg/l)	MS CONCENTRATION (mg/l)	MS % REC. #	QC LIMITS REC.
Iron	2.50	14.3	16.6	92	87 - 115
Sodium	12.5	16.8	28.1	90	87 - 115

File ID: 20170920-130

COMPOUND	SPIKE ADDED (mg/l)	MSD CONCENTRATION (mg/l)	QC LIMITS			
			MSD % REC. #	% RPD #	RPD	REC.
Iron	2.50	16.5	86 *	0.9	20	87 - 115
Sodium	12.5	29.1	98	3	20	87 - 115

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

* Values outside of QC limits

FORM Vb - POST DIGEST SPIKE SAMPLE RECOVERYTF1-DUP-02-083117**SW846 6010C**Laboratory: Eurofins Spectrum Analytical, Inc. - MASDG: SC38778Client: Tetra Tech, Inc. - Salem, NHProject: WE15 Tank Farm 1 NAVSTA NewportMatrix: AqueousLaboratory ID: 1716143-PS1Batch: 1716143Lab Source ID: SC38778-03Preparation: SW846 3005AInitial/Final: 50 ml / 50 mlSource Sample Name: TF1-DUP-02-083117

% 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	17.0	14.3	2.50	106	SW846 6010C
Sodium	80 - 120	29.0	16.8	12.5	98	SW846 6010C

* Values outside of QC limits

FORM IIIc - DUPLICATES**TF1-DUP-02-083117****SW846 6010C**Laboratory: Eurofins Spectrum Analytical, Inc. - MASDG: SC38778Client: Tetra Tech, Inc. - Salem, NHProject: WE15 Tank Farm 1 NAVSTA NewportMatrix: AqueousLaboratory ID: 1716143-DUP1Batch: 1716143Lab Source ID: SC38778-03Preparation: SW846 3005AInitial/Final: 50 ml / 50 mlSource Sample Name: TF1-DUP-02-083117

% Solids:

File ID: 20170920-128

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/l)	C	DUPLICATE CONCENTRATION (mg/l)	C	RPD %	Q	METHOD
Iron	20	14.3		14.0		2		SW846 6010C
Sodium	20	16.8		16.4		3		SW846 6010C

* Values outside of QC limits

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

FORM VIII - SERIAL DILUTION

SW846 6010C

TF1-GT-110-083117

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Laboratory ID: S710436-SRD1

Lab Source ID: SC38778-02

Sequence: S710436

Preparation: 1716143

Initial/Final: 50 / 50

Source Sample Name: TF1-GT-110-083117

% Solids:

Units: mg/l

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method	QC Limits % Difference
Iron	13.6		14.3		5		SW846 6010C	10
Sodium	16.2		16.4		1		SW846 6010C	10

* Values outside of QC limits

CROSS REFERENCE TABLE

EPA 245.1/7470A

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC38778</u>
Client:	<u>Tetra Tech, Inc. - Salem, NH</u>	Project:	<u>WE15 Tank Farm 1 NAVSTA Newport</u>
Project Number:	<u>112608005-WE15</u>		

Client Sample ID:

TF1-EBP-GT124R-083117

TF1-GT-110-083117

TF1-DUP-02-083117

TF1-GT-128-083117

TF1-GZ-114-083117

TF1-GZ-117-083117

TF1-GT-112-090117

TF1-GT-120-090117

TF1-GT-131-090117

TF1-RB-090117

Lab Sample ID:

SC38778-01

SC38778-02

SC38778-03

SC38778-04

SC38778-05

SC38778-06

SC38778-09

SC38778-10

SC38778-11

SC38778-12

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport / 112608005-WE15

SDG #: SC38778

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 1715786 from source sample TF1-EBP-GT124R-083117 (SC38778-01).

All method criteria were met.

3. Post Spike Samples (PS):

A post spike was analyzed.

In batch 1715786 from source sample TF1-EBP-GT124R-083117 (SC38778-01).

All method criteria were met.

D. Duplicates:

A duplicate was analyzed.

In batch 1715786 from source sample TF1-EBP-GT124R-083117 (SC38778-01).

All method criteria were met.

E. Samples:

All method criteria were met.

FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY
EPA 245.1/7470A

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S710400

Instrument: Mercury4

Calibration: 1711054

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Cal Standard	S710400-CAL1	092517A-002	09/25/17 12:57
Cal Standard	S710400-CAL2	092517A-003	09/25/17 12:59
Cal Standard	S710400-CAL3	092517A-004	09/25/17 13:01
Cal Standard	S710400-CAL4	092517A-005	09/25/17 13:03
Cal Standard	S710400-CAL5	092517A-006	09/25/17 13:05
Cal Standard	S710400-CAL6	092517A-007	09/25/17 13:07
Cal Standard	S710400-CAL7	092517A-008	09/25/17 13:09
Cal Standard	S710400-CAL8	092517A-009	09/25/17 13:11
Initial Cal Check	S710400-ICV1	092517A-010	09/25/17 13:15
Initial Cal Blank	S710400-ICB1	092517A-011	09/25/17 13:17
Instrument RL Check	S710400-CRL1	092517A-012	09/25/17 13:20
Calibration Check	S710400-CCV1	092517A-013	09/25/17 13:23
Calibration Blank	S710400-CCB1	092517A-014	09/25/17 13:25

METALS ANALYSIS RUN LOG

EPA 245.1/7470A

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S710400

Instrument: Mercury4

Calibration: 1711054

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	S710400-CAL1	1	09/25/17 12:57														X										
Cal Standard	S710400-CAL2	1	09/25/17 12:59														X										
Cal Standard	S710400-CAL3	1	09/25/17 13:01														X										
Cal Standard	S710400-CAL4	1	09/25/17 13:03														X										
Cal Standard	S710400-CAL5	1	09/25/17 13:05														X										
Cal Standard	S710400-CAL6	1	09/25/17 13:07														X										
Cal Standard	S710400-CAL7	1	09/25/17 13:09														X										
Cal Standard	S710400-CAL8	1	09/25/17 13:11														X										
Initial Cal Check	S710400-ICV1	1	09/25/17 13:15														X										
Initial Cal Blank	S710400-ICB1	1	09/25/17 13:17														X										
Instrument RL Check	S710400-CRL1	1	09/25/17 13:20														X										
Calibration Check	S710400-CCV1	1	09/25/17 13:23														X										
Calibration Blank	S710400-CCB1	1	09/25/17 13:25														X										

FORM III - BLANKS

EPA 245.1/7470A

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Instrument ID: Mercury4

Calibration: 1711054

Sequence: S710400

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S710400-ICB1	Mercury	BRL	0.200	µg/l	U	EPA 245.1/7470A
S710400-CCB1	Mercury	BRL	0.200	µg/l	U	EPA 245.1/7470A

FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY
EPA 245.1/7470A

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S710401

Instrument: Mercury4

Calibration: 1711054

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Calibration Check	S710401-CCV1	092517A-038	09/25/17 14:16
Calibration Blank	S710401-CCB1	092517A-039	09/25/17 14:18
Instrument RL Check	S710401-CRL1	092517A-040	09/25/17 14:20
Blank	1715786-BLK1	092517A-041	09/25/17 14:23
TF1-EBP-GT124R-083117	SC38778-01	092517A-043	09/25/17 14:27
TF1-EBP-GT124R-083117	1715786-DUP1	092517A-044	09/25/17 14:29
TF1-EBP-GT124R-083117	1715786-MS1	092517A-045	09/25/17 14:31
TF1-EBP-GT124R-083117	1715786-MSD1	092517A-046	09/25/17 14:33
TF1-EBP-GT124R-083117	1715786-PS1	092517A-047	09/25/17 14:35
TF1-GT-110-083117	SC38778-02	092517A-048	09/25/17 14:37
TF1-DUP-02-083117	SC38778-03	092517A-049	09/25/17 14:39
TF1-GT-128-083117	SC38778-04	092517A-050	09/25/17 14:41
Calibration Check	S710401-CCV2	092517A-051	09/25/17 14:43
Calibration Blank	S710401-CCB2	092517A-052	09/25/17 14:45
TF1-GZ-114-083117	SC38778-05	092517A-053	09/25/17 14:47
TF1-GZ-117-083117	SC38778-06	092517A-054	09/25/17 14:49
TF1-GT-112-090117	SC38778-09	092517A-055	09/25/17 14:51
TF1-GT-120-090117	SC38778-10	092517A-056	09/25/17 14:53
TF1-GT-131-090117	SC38778-11	092517A-057	09/25/17 14:55
TF1-RB-090117	SC38778-12	092517A-058	09/25/17 14:57
LCS	1715786-BS1	092517A-059	09/25/17 14:59
Instrument RL Check	S710401-CRL2	092517A-060	09/25/17 15:01
Calibration Check	S710401-CCV3	092517A-061	09/25/17 15:03
Calibration Blank	S710401-CCB3	092517A-062	09/25/17 15:05
Instrument RL Check	S710401-CRL3	092517A-063	09/25/17 15:14
Instrument RL Check	S710401-CRL4	092517A-073	09/25/17 15:41
Calibration Check	S710401-CCV4	092517A-074	09/25/17 15:43
Calibration Blank	S710401-CCB4	092517A-075	09/25/17 15:45
Calibration Check	S710401-CCV5	092517A-086	09/25/17 16:07
Calibration Blank	S710401-CCB5	092517A-087	09/25/17 16:09
Instrument RL Check	S710401-CRL5	092517A-091	09/25/17 16:17
Calibration Check	S710401-CCV6	092517A-092	09/25/17 16:19
Calibration Blank	S710401-CCB6	092517A-093	09/25/17 16:21

METALS ANALYSIS RUN LOG

EPA 245.1/7470A

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S710401

Instrument: Mercury4

Calibration: 1711054

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	S710401-CCV1	1	09/25/17 14:16														X														
Calibration Blank	S710401-CCB1	1	09/25/17 14:18														X														
Instrument RL Check	S710401-CRL1	1	09/25/17 14:20														X														
Blank	1715786-BLK1	1	09/25/17 14:23														X														
TF1-EBP-GT124R-08	SC38778-01	1	09/25/17 14:27														X														
TF1-EBP-GT124R-08	1715786-DUP1	1	09/25/17 14:29														X														
TF1-EBP-GT124R-08	1715786-MS1	1	09/25/17 14:31														X														
TF1-EBP-GT124R-08	1715786-MSD1	1	09/25/17 14:33														X														
TF1-EBP-GT124R-08	1715786-PS1	1	09/25/17 14:35														X														
TF1-GT-110-083117	SC38778-02	1	09/25/17 14:37														X														
TF1-DUP-02-083117	SC38778-03	1	09/25/17 14:39														X														
TF1-GT-128-083117	SC38778-04	1	09/25/17 14:41														X														
Calibration Check	S710401-CCV2	1	09/25/17 14:43														X														
Calibration Blank	S710401-CCB2	1	09/25/17 14:45														X														
TF1-GZ-114-083117	SC38778-05	1	09/25/17 14:47														X														
TF1-GZ-117-083117	SC38778-06	1	09/25/17 14:49														X														
TF1-GT-112-090117	SC38778-09	1	09/25/17 14:51														X														
TF1-GT-120-090117	SC38778-10	1	09/25/17 14:53														X														
TF1-GT-131-090117	SC38778-11	1	09/25/17 14:55														X														
TF1-RB-090117	SC38778-12	1	09/25/17 14:57														X														
LCS	1715786-BS1	1	09/25/17 14:59														X														
Instrument RL Check	S710401-CRL2	1	09/25/17 15:01														X														
Calibration Check	S710401-CCV3	1	09/25/17 15:03														X														
Calibration Blank	S710401-CCB3	1	09/25/17 15:05														X														
Instrument RL Check	S710401-CRL3	1	09/25/17 15:14														X														
Instrument RL Check	S710401-CRL4	1	09/25/17 15:41														X														
Calibration Check	S710401-CCV4	1	09/25/17 15:43														X														
Calibration Blank	S710401-CCB4	1	09/25/17 15:45														X														
Calibration Check	S710401-CCV5	1	09/25/17 16:07														X														
Calibration Blank	S710401-CCB5	1	09/25/17 16:09														X														
Instrument RL Check	S710401-CRL5	1	09/25/17 16:17														X														
Calibration Check	S710401-CCV6	1	09/25/17 16:19														X														
Calibration Blank	S710401-CCB6	1	09/25/17 16:21														X														

FORM III - BLANKS

EPA 245.1/7470A

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Instrument ID: Mercury4

Calibration: 1711054

Sequence: S710401

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S710401-CCB1	Mercury	BRL	0.200	µg/l	U	EPA 245.1/7470A
1715786-BLK1	Mercury	BRL	0.00020	mg/l	U	EPA 245.1/7470A
S710401-CCB2	Mercury	BRL	0.200	µg/l	U	EPA 245.1/7470A
S710401-CCB3	Mercury	BRL	0.200	µg/l	U	EPA 245.1/7470A
S710401-CCB4	Mercury	BRL	0.200	µg/l	U	EPA 245.1/7470A
S710401-CCB5	Mercury	BRL	0.200	µg/l	U	EPA 245.1/7470A
S710401-CCB6	Mercury	BRL	0.200	µg/l	U	EPA 245.1/7470A

10 US 9.25.17
LDR 20ppb
SNC12 1710704

PREPARATION BENCH SHEET

1715786

Eurofins Spectrum Analytical, Inc. - MA

Matrix: Aqueous

Prepared using: Metals - EPA200/SW7000 Series

Lab Number	Prepared	Initial (ml)	Final (ml)	Source ID	Spike ID	ul Spike	Spike 2 ID	ul Spike 2	Comments	Client ID	Collected	Due
1715786-BLK1	16-Sep-17 14:00	20	20							Blank	16-Sep-17 14:00	
1715786-BS1	16-Sep-17 14:00	20	20		1710470	500				LCS	16-Sep-17 14:00	
1715786-DUP1	16-Sep-17 14:00	20	20	SC38778-01						Duplicate	31-Aug-17 16:22	
1715786-MS1	16-Sep-17 14:00	20	20	SC38778-01	1710470	500				Matrix Spike	31-Aug-17 16:22	
1715786-MSD1	16-Sep-17 14:00	20	20	SC38778-01	1710470	500				Matrix Spike Dup	31-Aug-17 16:22	
1715786-PS1	16-Sep-17 14:00	20	20	SC38778-01	1710470	500				Post Spike	31-Aug-17 16:22	
SC38778-01	16-Sep-17 14:00	20	20							TF1-EBP-GT124R	31-Aug-17 16:22	13-Sep-17 16:00
Hg Total CVAA DoD DoD Level IV												
SC38778-02	16-Sep-17 14:00	20	20							TF1-GT-110-0831	31-Aug-17 10:56	13-Sep-17 16:00
Hg Total CVAA DoD DoD Level IV												
SC38778-03	16-Sep-17 14:00	20	20							TF1-DUP-02-0831	31-Aug-17 00:00	13-Sep-17 16:00
Hg Total CVAA DoD DoD Level IV												
SC38778-04	16-Sep-17 14:00	20	20							TF1-GT-128-0831	31-Aug-17 14:40	13-Sep-17 16:00
Hg Total CVAA DoD DoD Level IV												
SC38778-05	16-Sep-17 14:00	20	20							TF1-GZ-114-0831	31-Aug-17 09:15	13-Sep-17 16:00
Hg Total CVAA DoD DoD Level IV												
SC38778-06	16-Sep-17 14:00	20	20							TF1-GZ-117-0831	31-Aug-17 15:05	13-Sep-17 16:00
Hg Total CVAA DoD DoD Level IV												
SC38778-09	16-Sep-17 14:00	20	20							TF1-GT-112-0901	01-Sep-17 09:00	13-Sep-17 16:00
Hg Total CVAA DoD DoD Level IV												

LUB 9.25.17
Analyst Reviewed Date

Cow 9/26/17
Manager Reviewed Date

72 9.18.17
Prepared By Date

PREPARATION BENCH SHEET

1715786

Eurofins Spectrum Analytical, Inc. - MA

Matrix: Aqueous

Prepared using: Metals - EPA200/SW7000 Series

Lab Number	Prepared	Initial (ml)	Final (ml)	Source ID	Spike ID	ul Spike	Spike 2 ID	ul Spike 2	Comments	Client ID	Collected	Due
SC38778-10 <i>Hg Total CVAA DoD</i> DoD Level IV	16-Sep-17 14:00	20	20							TF1-GT-120-0901	01-Sep-17 09:07	13-Sep-17 16:00
SC38778-11 <i>Hg Total CVAA DoD</i> DoD Level IV	16-Sep-17 14:00	20	20							TF1-GT-131-0901	01-Sep-17 09:03	13-Sep-17 16:00
SC38778-12 <i>Hg Total CVAA DoD</i> DoD Level IV	16-Sep-17 14:00	20	20							TF1-RB-090117	01-Sep-17 10:00	13-Sep-17 16:00

9/16/17 AQ HG Y
DoDLB 9.25.17

Analyst Reviewed DateCaw 9/26/17

Manager Reviewed DateB 9-18-17

Prepared By Date

FORM IIIa - LCS / LCS DUPLICATE RECOVERY**EPA 245.1/7470A**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Matrix: Aqueous Instrument: Mercury4
Batch: 1715786 Laboratory ID: 1715786-BS1
Preparation: EPA200/SW7000 Series Initial/Final: 20 ml / 20 ml
Analyzed: 09/25/17 14:59 Spike ID: 1710470
File ID: 092517A-059

COMPOUND	SPIKE ADDED (mg/l)	LCS CONCENTRATION (mg/l)	LCS % REC. #	QC LIMITS REC.
Mercury	0.00500	0.00465	93	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-EBP-GT124R-083117

EPA 245.1/7470A

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Instrument: Mercury4

Batch: 1715786

Laboratory ID: 1715786-MS1

Preparation: EPA200/SW7000 Series

Initial/Final: 20 ml / 20 ml

Source Sample Name: TF1-EBP-GT124R-083117

% Solids:

Spike ID: 1710470

File ID: 092517A-045

COMPOUND	SPIKE ADDED (mg/l)	SAMPLE CONCENTRATION (mg/l)	MS CONCENTRATION (mg/l)	MS % REC. #	QC LIMITS REC.
Mercury	0.00500	BRL	0.00446	89	82 - 119

File ID: 092517A-046

COMPOUND	SPIKE ADDED (mg/l)	MSD CONCENTRATION (mg/l)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Mercury	0.00500	0.00442	88	1	20	82 - 119

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

* Values outside of QC limits

FORM Vb - POST DIGEST SPIKE SAMPLE RECOVERY**EPA 245.1/7470A**TF1-EBP-GT124R-083117Laboratory: Eurofins Spectrum Analytical, Inc. - MASDG: SC38778Client: Tetra Tech, Inc. - Salem, NHProject: WE15 Tank Farm 1 NAVSTA NewportMatrix: AqueousLaboratory ID: 1715786-PS1Batch: 1715786Lab Source ID: SC38778-01Preparation: EPA200/SW7000 SeriesInitial/Final: 20 ml / 20 mlSource Sample Name: TF1-EBP-GT124R-083117

% 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	0.00427	BRL	0.00500	85	EPA 245.1/7470A

* Values outside of QC limits

FORM IIIc - DUPLICATES

TF1-EBP-GT124R-083117

EPA 245.1/7470A

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Laboratory ID: 1715786-DUP1

Batch: 1715786

Lab Source ID: SC38778-01

Preparation: EPA200/SW7000 Series

Initial/Final: 20 ml / 20 ml

Source Sample Name: TF1-EBP-GT124R-083117

% Solids:

File ID: 092517A-044

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/l)	C	DUPLICATE CONCENTRATION (mg/l)	C	RPD %	Q	METHOD
Mercury	20	BRL		BDL				EPA 245.1/7470A

* Values outside of QC limits

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

CROSS REFERENCE TABLE

EPA 300.0

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC38778</u>
Client:	<u>Tetra Tech, Inc. - Salem, NH</u>	Project:	<u>WE15 Tank Farm 1 NAVSTA Newport</u>
Project Number:	<u>112608005-WE15</u>		

Client Sample ID:

TF1-EBP-GT124R-083117

TF1-GT-110-083117

TF1-DUP-02-083117

TF1-GT-128-083117

TF1-GZ-114-083117

TF1-GZ-117-083117

TF1-GT-112-090117

TF1-GT-120-090117

TF1-GT-131-090117

TF1-RB-090117

Lab Sample ID:

SC38778-01

SC38778-02

SC38778-03

SC38778-04

SC38778-05

SC38778-06

SC38778-09

SC38778-10

SC38778-11

SC38778-12

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport / 112608005-WE15

SDG #: SC38778

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 1715074 from source sample TF1-RB-090117 (SC38778-12).

In batch 1715074 from source sample TF1-GT-131-090117 (SC38778-11).

All method criteria were met.

3. Reference:

All method criteria were met.

D. Duplicates:

A duplicate was analyzed.

In batch 1715074 from source sample TF1-RB-090117 (SC38778-12).

In batch 1715074 from source sample TF1-GT-131-090117 (SC38778-11).

All method criteria were met.

E. Samples:

All method criteria were met with the following exceptions:

Sulfate as SO₄ in batch 1715074, sample TF1-GT-128-083117 (SC38778-04): Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY
EPA 300.0

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

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 III - BLANKS

EPA 300.0

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Instrument ID: IC3

Calibration: 1710011

Sequence: S708848

Matrix: Drinking Water

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
S708848-ICB1	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	0.010	mg/l	U	EPA 300.0

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

EPA 300.0

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S709514

Instrument: IC3

Calibration: 1710011

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Calibration Check	1715074-CCV1	090117-039	09/01/17 20:08
Calibration Blank	1715074-CCB1	090117-040	09/01/17 20:24
TF1-DUP-02-083117	SC38778-03	090117-041	09/01/17 20:40
TF1-GZ-114-083117	SC38778-05	090117-049	09/01/17 22:47
Calibration Check	1715074-CCV2	090117-051	09/01/17 23:19
Calibration Blank	1715074-CCB2	090117-052	09/01/17 23:35
TF1-GT-110-083117	SC38778-02	090117-054	09/02/17 00:07
TF1-GT-128-083117	SC38778-04	090117-056	09/02/17 00:40
TF1-GZ-117-083117	SC38778-06	090117-057	09/02/17 00:56
TF1-EBP-GT124R-083117	SC38778-01	090117-058	09/02/17 01:12
TF1-GT-112-090117	SC38778-09	090117-060	09/02/17 01:44
TF1-GT-120-090117	SC38778-10	090117-061	09/02/17 02:00
TF1-GT-131-090117	SC38778-11	090117-062	09/02/17 02:16
Calibration Check	1715074-CCV3	090117-063	09/02/17 02:32
Calibration Blank	1715074-CCB3	090117-064	09/02/17 02:48
TF1-GT-131-090117	1715074-DUP1	090117-065	09/02/17 03:04
TF1-RB-090117	SC38778-12	090117-066	09/02/17 03:20
TF1-RB-090117	1715074-DUP2	090117-067	09/02/17 03:36
TF1-GT-131-090117	1715074-MS1	090117-070	09/02/17 04:24
TF1-GT-131-090117	1715074-MSD1	090117-071	09/02/17 04:40
TF1-RB-090117	1715074-MS2	090117-072	09/02/17 04:56
TF1-RB-090117	1715074-MSD2	090117-073	09/02/17 05:12
Blank	1715074-BLK1	090117-074	09/02/17 05:28
Calibration Check	1715074-CCV4	090117-075	09/02/17 05:44
Calibration Blank	1715074-CCB4	090117-076	09/02/17 06:00
LCS	1715074-BS1	090117-077	09/02/17 06:16
Reference	1715074-SRM1	090117-078	09/02/17 06:32
TF1-GT-128-083117	SC38778-04	090117-084	09/02/17 08:06
Calibration Check	1715074-CCV5	090117-086	09/02/17 08:38
Calibration Blank	1715074-CCB5	090117-087	09/02/17 08:54

FORM III - BLANKS**EPA 300.0**Laboratory: Eurofins Spectrum Analytical, Inc. - MASDG: SC38778Client: Tetra Tech, Inc. - Salem, NHProject: WE15 Tank Farm 1 NAVSTA NewportInstrument ID: IC3Calibration: 1710011Sequence: S709514

Matrix: Aqueous

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
1715074-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
1715074-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
1715074-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
1715074-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
1715074-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
1715074-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

PREPARATION BENCH SHEET

1715074

Balance ID

N/A

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
1715074-BLK1	Blank		QC	5	5					
1715074-BS1	LCS		QC	5	5	17H1027				
1715074-CCB1	Calibration Blank		QC	5	5					
1715074-CCB2	Calibration Blank		QC	5	5					
1715074-CCB3	Calibration Blank		QC	5	5					
1715074-CCB4	Calibration Blank		QC	5	5					
1715074-CCB5	Calibration Blank		QC	5	5					
1715074-CCV1	Calibration Check		QC	5	5	17H1027				
1715074-CCV2	Calibration Check		QC	5	5	17H1027				
1715074-CCV3	Calibration Check		QC	5	5	17H1027				
1715074-CCV4	Calibration Check		QC	5	5	17H1027				
1715074-CCV5	Calibration Check		QC	5	5	17H1027				
1715074-DUP1	Duplicate		QC	5	5		SC38778-11			
1715074-DUP2	Duplicate		QC	5	5		SC38778-12			
1715074-MS1	Matrix Spike		QC	5	5	17F0999	SC38778-11			IC#1, T4
1715074-MS2	Matrix Spike		QC	5	5	17F0999	SC38778-12			IC#1, T4
1715074-MSD1	Matrix Spike Dup		QC	5	5	17F0999	SC38778-11			IC#1, T4
1715074-MSD2	Matrix Spike Dup		QC	5	5	17F0999	SC38778-12			IC#1, T4
1715074-SRM1	Reference		QC	5	5	17H1028				
SC38778-01	TF1-EBP-GT124R-083117	O	wc-Chloride-30	5	5			13-Sep-17 16:00		DoD Level IV
SC38778-01	TF1-EBP-GT124R-083117	O	wc-Nitrate 300	5	5			13-Sep-17 16:00		DoD Level IV
SC38778-01	TF1-EBP-GT124R-083117	O	wc-Sulfate - 30	5	5			13-Sep-17 16:00		DoD Level IV

Analyst Reviewed

Date

Manager Reviewed

Date

Extracts Received By

Date

Printed: 9/9/2017 11:41:19AM

Page 1 of 4

PREPARATION BENCH SHEET

1715074

Balance ID _____

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
SC38778-02	TF1-GT-110-083117	Q	wc-Chloride-300	5	5			13-Sep-17 16:00		DoD Level IV
SC38778-02	TF1-GT-110-083117	Q	wc-Nitrate 300.	5	5			13-Sep-17 16:00		DoD Level IV
SC38778-02	TF1-GT-110-083117	Q	wc-Sulfate - 300	5	5			13-Sep-17 16:00		DoD Level IV
SC38778-03	TF1-DUP-02-083117	P	wc-Chloride-300	5	5			13-Sep-17 16:00		DoD Level IV
SC38778-03	TF1-DUP-02-083117	P	wc-Nitrate 300.	5	5			13-Sep-17 16:00		DoD Level IV
SC38778-03	TF1-DUP-02-083117	P	wc-Sulfate - 300	5	5			13-Sep-17 16:00		DoD Level IV
SC38778-04	TF1-GT-128-083117	N	wc-Chloride-300	5	5			13-Sep-17 16:00		DoD Level IV
SC38778-04	TF1-GT-128-083117	N	wc-Nitrate 300.	5	5			13-Sep-17 16:00		DoD Level IV
SC38778-04	TF1-GT-128-083117	N	wc-Sulfate - 300	5	5			13-Sep-17 16:00		DoD Level IV
SC38778-05	TF1-GZ-114-083117	O	wc-Chloride-300	5	5			13-Sep-17 16:00		DoD Level IV
SC38778-05	TF1-GZ-114-083117	O	wc-Nitrate 300.	5	5			13-Sep-17 16:00		DoD Level IV
SC38778-05	TF1-GZ-114-083117	O	wc-Sulfate - 300	5	5			13-Sep-17 16:00		DoD Level IV
SC38778-06	TF1-GZ-117-083117	O	wc-Chloride-300	5	5			13-Sep-17 16:00		DoD Level IV
SC38778-06	TF1-GZ-117-083117	O	wc-Nitrate 300.	5	5			13-Sep-17 16:00		DoD Level IV
SC38778-06	TF1-GZ-117-083117	O	wc-Sulfate - 300	5	5			13-Sep-17 16:00		DoD Level IV
SC38778-09	TF1-GT-112-090117	O	wc-Chloride-300	5	5			13-Sep-17 16:00		DoD Level IV
SC38778-09	TF1-GT-112-090117	O	wc-Nitrate 300.	5	5			13-Sep-17 16:00		DoD Level IV
SC38778-09	TF1-GT-112-090117	O	wc-Sulfate - 300	5	5			13-Sep-17 16:00		DoD Level IV
SC38778-10	TF1-GT-120-090117	O	wc-Chloride-300	5	5			13-Sep-17 16:00		DoD Level IV
SC38778-10	TF1-GT-120-090117	O	wc-Nitrate 300.	5	5			13-Sep-17 16:00		DoD Level IV
SC38778-10	TF1-GT-120-090117	O	wc-Sulfate - 300	5	5			13-Sep-17 16:00		DoD Level IV
SC38778-11	TF1-GT-131-090117	O	wc-Chloride-300	5	5			13-Sep-17 16:00		DoD Level IV

Analyst Reviewed

Date

Manager Reviewed

Date

Extracts Received By

Date

Printed: 9/9/2017 11:41:19AM

Page 2 of 4

PREPARATION BENCH SHEET

1715074

Balance ID _____

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
SC38778-11	TF1-GT-131-090117	O	wc-Nitrate 300.	5	5			13-Sep-17 16:00		DoD Level IV
SC38778-11	TF1-GT-131-090117	O	wc-Nitrite 300.	5	5					BatchQC
SC38778-11	TF1-GT-131-090117	O	wc-Sulfate - 300	5	5			13-Sep-17 16:00		DoD Level IV
SC38778-12	TF1-RB-090117	O	wc-Chloride-300	5	5			13-Sep-17 16:00		DoD Level IV
SC38778-12	TF1-RB-090117	O	wc-Nitrate 300.	5	5			13-Sep-17 16:00		DoD Level IV
SC38778-12	TF1-RB-090117	O	wc-Nitrite 300.	5	5					BatchQC
SC38778-12	TF1-RB-090117	O	wc-Sulfate - 300	5	5			13-Sep-17 16:00		DoD Level IV
SC38784-03	ME-F5	D	wc-Chloride-300	5	5			13-Sep-17 16:00		
SC38784-03	ME-F5	D	wc-Nitrate 300.	5	5			13-Sep-17 16:00		
SC38784-03	ME-F5	D	wc-Nitrite 300.	5	5			13-Sep-17 16:00		
SC38784-03	ME-F5	D	wc-Sulfate - 300	5	5			13-Sep-17 16:00		
SC38784-04	ME-F1	D	wc-Chloride-300	5	5			13-Sep-17 16:00		
SC38784-04	ME-F1	D	wc-Nitrate 300.	5	5			13-Sep-17 16:00		
SC38784-04	ME-F1	D	wc-Nitrite 300.	5	5			13-Sep-17 16:00		
SC38784-04	ME-F1	D	wc-Sulfate - 300	5	5			13-Sep-17 16:00		
SC38784-05	ME-F2	D	wc-Chloride-300	5	5			13-Sep-17 16:00		
SC38784-05	ME-F2	D	wc-Nitrate 300.	5	5			13-Sep-17 16:00		
SC38784-05	ME-F2	D	wc-Nitrite 300.	5	5			13-Sep-17 16:00		
SC38784-05	ME-F2	D	wc-Sulfate - 300	5	5			13-Sep-17 16:00		
SC38784-06	ME-F3	D	wc-Chloride-300	5	5			13-Sep-17 16:00		
SC38784-06	ME-F3	D	wc-Nitrate 300.	5	5			13-Sep-17 16:00		
SC38784-06	ME-F3	D	wc-Nitrite 300.	5	5			13-Sep-17 16:00		

INB 9.9.17
Analyst Reviewed Date

Can 9/13/17
Manager Reviewed Date

Extracts Received By _____ Date _____

Printed: 9/9/2017 11:41:19AM

Page 3 of 4

PREPARATION BENCH SHEET

1715074

Balance ID _____

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
SC38784-06	ME-F3	D	wc-Sulfate - 300	5	5			13-Sep-17 16:00		
SC38784-07	ME-F6	D	wc-Chloride-300	5	5			13-Sep-17 16:00		
SC38784-07	ME-F6	D	wc-Nitrate 300.	5	5			13-Sep-17 16:00		
SC38784-07	ME-F6	D	wc-Nitrite 300.	5	5			13-Sep-17 16:00		
SC38784-07	ME-F6	D	wc-Sulfate - 300	5	5			13-Sep-17 16:00		
SC38784-08	ME-F7	D	wc-Chloride-300	5	5			13-Sep-17 16:00		
SC38784-08	ME-F7	D	wc-Nitrate 300.	5	5			13-Sep-17 16:00		
SC38784-08	ME-F7	D	wc-Nitrite 300.	5	5			13-Sep-17 16:00		
SC38784-08	ME-F7	D	wc-Sulfate - 300	5	5			13-Sep-17 16:00		

9/1/17 AQ ANIONS LNB

Reagents Used:

17A0456 IC3 column
17H1041 IC3 Eluent 083117

LNB 9.9.17
Analyst Reviewed Date

Caw 9/13/17
Manager Reviewed Date

Extracts Received By Date

Printed: 9/9/2017 11:41:19AM

Page 4 of 4

FORM IIIa - LCS / LCS DUPLICATE RECOVERY**EPA 300.0**

Laboratory: Eurofins Spectrum Analytical, Inc. - MA SDG: SC38778
Client: Tetra Tech, Inc. - Salem, NH Project: WE15 Tank Farm 1 NAVSTA Newport
Matrix: Aqueous Instrument: IC3
Batch: 1715074 Laboratory ID: 1715074-BS1
Preparation: General Preparation Initial/Final: 5 ml / 5 ml
Analyzed: 09/02/17 06:16 Spike ID: 17H1027
File ID: 090117-077

COMPOUND	SPIKE ADDED (mg/l)	LCS CONCENTRATION (mg/l)	LCS % REC. #	QC LIMITS REC.
Chloride	20.0	20.3	101	90 - 110
Sulfate as SO ₄	20.0	20.0	100	90 - 110
Nitrate as N	2.00	2.02	101	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-GT-131-090117

EPA 300.0

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Instrument: IC3

Batch: 1715074

Laboratory ID: 1715074-MS1

Preparation: General Preparation

Initial/Final: 5 ml / 5 ml

Source Sample Name: TF1-GT-131-090117

% Solids:

Spike ID: 17F0999

File ID: 090117-070

COMPOUND	SPIKE ADDED (mg/l)	SAMPLE CONCENTRATION (mg/l)	MS CONCENTRATION (mg/l)	MS % REC. #	QC LIMITS REC.
Chloride	8.00	6.56	14.9	104	90 - 110
Sulfate as SO ₄	8.00	2.99	11.3	104	90 - 110
Nitrate as N	0.800	BRL	0.787	98	90 - 110

File ID: 090117-071

COMPOUND	SPIKE ADDED (mg/l)	MSD CONCENTRATION (mg/l)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Chloride	8.00	15.0	106	1	20	90 - 110
Sulfate as SO ₄	8.00	11.5	106	1	20	90 - 110
Nitrate as N	0.800	0.833	104	6	20	90 - 110

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-RB-090117

EPA 300.0

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC38778</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>1715074</u>	Laboratory ID:	<u>1715074-MS2</u>
Preparation:	<u>General Preparation</u>	Initial/Final:	<u>5 ml / 5 ml</u>
Source Sample Name:	<u>TF1-RB-090117</u>	% Solids:	
		Spike ID:	17F0999
		File ID:	<u>090117-072</u>

COMPOUND	SPIKE ADDED (mg/l)	SAMPLE CONCENTRATION (mg/l)	MS CONCENTRATION (mg/l)	MS % REC. #	QC LIMITS REC.
Chloride	8.00	BRL	8.83	110	90 - 110
Sulfate as SO4	8.00	BRL	8.49	106	90 - 110
Nitrate as N	0.800	BRL	0.866	108	90 - 110

File ID: 090117-073

COMPOUND	SPIKE ADDED (mg/l)	MSD CONCENTRATION (mg/l)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Chloride	8.00	8.83	110	0.06	20	90 - 110
Sulfate as SO4	8.00	8.50	106	0.1	20	90 - 110
Nitrate as N	0.800	0.867	108	0.1	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: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Spike ID: 17H1028

Batch: 1715074

Laboratory ID: 1715074-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	24.3	97	90 - 110
Sulfate as SO4	25.0	25.1	101	90 - 110
Nitrate as N	2.50	2.56	102	90 - 110

* Values outside of QC limits

FORM IIIc - DUPLICATES**TF1-GT-131-090117****EPA 300.0**Laboratory: Eurofins Spectrum Analytical, Inc. - MASDG: SC38778Client: Tetra Tech, Inc. - Salem, NHProject: WE15 Tank Farm 1 NAVSTA NewportMatrix: AqueousLaboratory ID: 1715074-DUP1Batch: 1715074Lab Source ID: SC38778-11Preparation: General PreparationInitial/Final: 5 ml / 5 mlSource Sample Name: TF1-GT-131-090117

% Solids:

File ID: 090117-065

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/l)	C	DUPLICATE CONCENTRATION (mg/l)	C	RPD %	Q	METHOD
Chloride	20	6.56		6.60		0.6		EPA 300.0
Sulfate as SO4	20	2.99		3.06		2		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 IIIc - DUPLICATES

TF1-RB-090117

EPA 300.0

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Laboratory ID: 1715074-DUP2

Batch: 1715074

Lab Source ID: SC38778-12

Preparation: General Preparation

Initial/Final: 5 ml / 5 ml

Source Sample Name: TF1-RB-090117

% Solids:

File ID: 090117-067

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/l)	C	DUPLICATE CONCENTRATION (mg/l)	C	RPD %	Q	METHOD
Chloride	20	BRL		BDL				EPA 300.0
Sulfate as SO4	20	BRL		BDL				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

CROSS REFERENCE TABLE

SM5310B (00, 11)

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC38778</u>
Client:	<u>Tetra Tech, Inc. - Salem, NH</u>	Project:	<u>WE15 Tank Farm 1 NAVSTA Newport</u>
Project Number:	<u>112608005-WE15</u>		

Client Sample ID:	Lab Sample ID:
<u>TF1-EBP-GT124R-083117</u>	<u>SC38778-01</u>
<u>TF1-GT-110-083117</u>	<u>SC38778-02</u>
<u>TF1-DUP-02-083117</u>	<u>SC38778-03</u>
<u>TF1-GT-128-083117</u>	<u>SC38778-04</u>
<u>TF1-GZ-114-083117</u>	<u>SC38778-05</u>
<u>TF1-GZ-117-083117</u>	<u>SC38778-06</u>
<u>TF1-GT-112-090117</u>	<u>SC38778-09</u>
<u>TF1-GT-120-090117</u>	<u>SC38778-10</u>
<u>TF1-GT-131-090117</u>	<u>SC38778-11</u>
<u>TF1-RB-090117</u>	<u>SC38778-12</u>

CASE NARRATIVE

Spectrum Analytical, Inc. Lab Reference No. SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport / 112608005-WE15

SDG #: SC38778

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 1715646 from source sample TF1-GT-120-090117 (SC38778-10).

All method criteria were met.

3. Reference:

All method criteria were met.

D. Duplicates:

A duplicate was analyzed.

In batch 1715646 from source sample TF1-GT-120-090117 (SC38778-10).

All method criteria were met.

E. Samples:

All method criteria were met.

FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY
SM5310B (00, 11)

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

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

FORM III - BLANKS**SM5310B (00, 11)**Laboratory: Eurofins Spectrum Analytical, Inc. - MASDG: SC38778Client: Tetra Tech, Inc. - Salem, NHProject: WE15 Tank Farm 1 NAVSTA NewportInstrument ID: TOC4Calibration: 1706085Sequence: 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)

No action taken because ICB run in June, samples analyzed in September

FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY
SM5310B (00, 11)

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S708176

Instrument: TOC4

Calibration: 1706085

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Calibration Check	1715646-CCV1	1715646-001	09/13/17 09:24
Calibration Blank	1715646-CCB1	1715646-002	09/13/17 09:40
Blank	1715646-BLK1	1715646-003	09/13/17 09:56
LCS	1715646-BS1	1715646-004	09/13/17 10:12
Reference	1715646-SRM1	1715646-005	09/13/17 10:27
TF1-EBP-GT124R-083117	SC38778-01	1715646-006	09/13/17 10:53
TF1-GT-110-083117	SC38778-02	1715646-007	09/13/17 11:10
TF1-DUP-02-083117	SC38778-03	1715646-008	09/13/17 11:26
TF1-GT-128-083117	SC38778-04	1715646-009	09/13/17 11:41
TF1-GZ-114-083117	SC38778-05	1715646-010	09/13/17 11:58
TF1-GZ-117-083117	SC38778-06	1715646-011	09/13/17 12:14
TF1-GT-112-090117	SC38778-09	1715646-012	09/13/17 12:31
Calibration Check	1715646-CCV2	1715646-013	09/13/17 12:46
Calibration Blank	1715646-CCB2	1715646-014	09/13/17 13:02
TF1-GT-120-090117	SC38778-10	1715646-015	09/13/17 13:16
TF1-GT-120-090117	1715646-DUP1	1715646-016	09/13/17 13:30
TF1-GT-120-090117	1715646-MS1	1715646-017	09/13/17 13:47
TF1-GT-120-090117	1715646-MSD1	1715646-018	09/13/17 14:01
TF1-GT-131-090117	SC38778-11	1715646-019	09/13/17 14:17
TF1-RB-090117	SC38778-12	1715646-020	09/13/17 14:34
Calibration Check	1715646-CCV3	1715646-032	09/13/17 18:09
Calibration Blank	1715646-CCB3	1715646-033	09/13/17 18:25

FORM III - BLANKS**SM5310B (00, 11)**Laboratory: Eurofins Spectrum Analytical, Inc. - MASDG: SC38778Client: Tetra Tech, Inc. - Salem, NHProject: WE15 Tank Farm 1 NAVSTA NewportInstrument ID: TOC4Calibration: 1706085Sequence: S708176

Matrix: Aqueous

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
1715646-CCB1	Total Organic Carbon	BRL	1.00	mg/l	U	SM5310B (00, 11)
1715646-BLK1	Total Organic Carbon	BRL	1.00	mg/l	U	SM5310B (00, 11)
1715646-CCB2	Total Organic Carbon	BRL	1.00	mg/l	U	SM5310B (00, 11)
1715646-CCB3	Total Organic Carbon	0.2589	1.00	mg/l	J	SM5310B (00, 11)

no environmental sample results below LOQ associated with CCB3

PREPARATION BENCH SHEET

1715646

Sequence S708176

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
1715646-BLK1	Blank		QC	40	40					
1715646-BS1	LCS		QC	40	40	1710208				
1715646-CCB1	Calibration Blank		QC	40	40					
1715646-CCB2	Calibration Blank		QC	40	40					
1715646-CCB3	Calibration Blank		QC	40	40					
1715646-CCV1	Calibration Check		QC	40	40	1710208				
1715646-CCV2	Calibration Check		QC	40	40	1710208				
1715646-CCV3	Calibration Check		QC	40	40	1710208				
1715646-DUP1	Duplicate		QC	40	40		SC38778-10			
1715646-DUP2	Duplicate		QC	40	40		SC38891-04			
1715646-MS1	Matrix Spike		QC	40	40	16E0251	SC38778-10		ICU	
1715646-MS2	Matrix Spike		QC	40	40	16E0251	SC38891-04		ICU	
1715646-MSD1	Matrix Spike Dup		QC	40	40	16E0251	SC38778-10		ICU	
1715646-MSD2	Matrix Spike Dup		QC	40	40	16E0251	SC38891-04		ICU	
1715646-SRM1	Reference		QC	40	40	17H0608			ICU	
SC38778-01	TF1-EBP-GT124R-083117	F	wc-TOC - water	40	40			13-Sep-17 16:00		DoD Level IV
SC38778-02	TF1-GT-110-083117	F	wc-TOC - water	40	40			13-Sep-17 16:00		DoD Level IV
SC38778-03	TF1-DUP-02-083117	F	wc-TOC - water	40	40			13-Sep-17 16:00		DoD Level IV
SC38778-04	TF1-GT-128-083117	F	wc-TOC - water	40	40			13-Sep-17 16:00		DoD Level IV
SC38778-05	TF1-GZ-114-083117	F	wc-TOC - water	40	40			13-Sep-17 16:00		DoD Level IV
SC38778-06	TF1-GZ-117-083117	F	wc-TOC - water	40	40			13-Sep-17 16:00		DoD Level IV
SC38778-09	TF1-GT-112-090117	F	wc-TOC - water	40	40			13-Sep-17 16:00		DoD Level IV

Analyst Reviewed

Date

Manager Reviewed

Date

Extracts Received By

Date

Printed: 9/14/2017 1:13:48PM

SDG SC38778 Page 2546 / 2626

PREPARATION BENCH SHEET

1715646

Sequence S708176

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
SC38778-10	TF1-GT-120-090117	F	wc-TOC - water	40	40			13-Sep-17 16:00		DoD Level IV
SC38778-11	TF1-GT-131-090117	F	wc-TOC - water	40	40			13-Sep-17 16:00		DoD Level IV
SC38778-12	TF1-RB-090117	F	wc-TOC - water	40	40			13-Sep-17 16:00		DoD Level IV
SC38891-04	GAC-EFF-03-090617	A	wc-TOC - water	40	40			14-Sep-17 15:00		Level IV

toc9/12/17rlt
VIAL LOT 7-080-001

Reagents Used:

17E0315 TOC WATER---1M HCL

Ascar 9/14/17
Analyst Reviewed Date

BD 9/14/17
Manager Reviewed Date

Extracts Received By Date

Printed: 9/14/2017 1:13:48PM

SDG SC38778 Page 2547 / 2626

FORM IIIa - LCS / LCS DUPLICATE RECOVERY
SM5310B (00, 11)

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC38778</u>
Client:	<u>Tetra Tech, Inc. - Salem, NH</u>	Project:	<u>WE15 Tank Farm 1 NAVSTA Newport</u>
Matrix:	<u>Aqueous</u>	Instrument:	TOC4
Batch:	<u>1715646</u>	Laboratory ID:	<u>1715646-BS1</u>
Preparation:	<u>General Preparation</u>	Initial/Final:	<u>40 ml / 40 ml</u>
Analyzed:	<u>09/13/17 10:12</u>	Spike ID:	1710208
		File ID:	<u>1715646-004</u>

COMPOUND	SPIKE ADDED (mg/l)	LCS CONCENTRATION (mg/l)	LCS % REC. #	QC LIMITS REC.
Total Organic Carbon	15.0	16.9	112	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-GT-120-090117

SM5310B (00, 11)

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Instrument: TOC4

Batch: 1715646

Laboratory ID: 1715646-MS1

Preparation: General Preparation

Initial/Final: 40 ml / 40 ml

Source Sample Name: TF1-GT-120-090117

% Solids:

Spike ID: 16E0251

File ID: 1715646-017

COMPOUND	SPIKE ADDED (mg/l)	SAMPLE CONCENTRATION (mg/l)	MS CONCENTRATION (mg/l)	MS % REC. #	QC LIMITS REC.
Total Organic Carbon	5.00	4.25	10.3	122	70 - 130

File ID: 1715646-018

COMPOUND	SPIKE ADDED (mg/l)	MSD CONCENTRATION (mg/l)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Total Organic Carbon	5.00	10.2	119	1	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: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Spike ID: 17H0608

Batch: 1715646

Laboratory ID: 1715646-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	16.0	110	88 - 112

* Values outside of QC limits

FORM IIIc - DUPLICATES

TF1-GT-120-090117

SM5310B (00, 11)

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Laboratory ID: 1715646-DUP1

Batch: 1715646

Lab Source ID: SC38778-10

Preparation: General Preparation

Initial/Final: 40 ml / 40 ml

Source Sample Name: TF1-GT-120-090117

% Solids:

File ID: 1715646-016

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/l)	C	DUPLICATE CONCENTRATION (mg/l)	C	RPD %	Q	METHOD
Total Organic Carbon	20	4.25		4.26		0.3		SM5310B (00, 11)

* Values outside of QC limits

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

CROSS REFERENCE TABLE

SM18-22 5210B

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC38778</u>
Client:	<u>Tetra Tech, Inc. - Salem, NH</u>	Project:	<u>WE15 Tank Farm 1 NAVSTA Newport</u>
Project Number:	<u>112608005-WE15</u>		

Client Sample ID:

TF1-EBP-GT124R-083117

TF1-GT-110-083117

TF1-DUP-02-083117

TF1-GT-128-083117

TF1-GZ-114-083117

TF1-GZ-117-083117

TF1-GT-112-090117

TF1-GT-120-090117

TF1-GT-131-090117

TF1-RB-090117

Lab Sample ID:

SC38778-01

SC38778-02

SC38778-03

SC38778-04

SC38778-05

SC38778-06

SC38778-09

SC38778-10

SC38778-11

SC38778-12

FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY
SM18-22 5210B

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence: S707959

Instrument: DO Meter

Calibration: UNASSIGNED

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Blank	1715081-BLK1		09/07/17 17:17
LCS	1715081-BS1		09/07/17 17:17
Reference	1715081-SRM1		09/07/17 17:17
TF1-EBP-GT124R-083117	SC38778-01		09/07/17 17:17
TF1-EBP-GT124R-083117	1715081-DUP1		09/07/17 17:17
TF1-EBP-GT124R-083117	1715081-MS1		09/07/17 17:17
TF1-EBP-GT124R-083117	1715081-MSD1		09/07/17 17:17
TF1-GT-110-083117	SC38778-02		09/07/17 17:17
TF1-DUP-02-083117	SC38778-03		09/07/17 17:17
TF1-GT-128-083117	SC38778-04		09/07/17 17:17
TF1-GZ-114-083117	SC38778-05		09/07/17 17:17
TF1-GZ-117-083117	SC38778-06		09/07/17 17:17
TF1-GT-112-090117	SC38778-09		09/07/17 17:17
TF1-GT-120-090117	SC38778-10		09/07/17 17:17
TF1-GT-131-090117	SC38778-11		09/07/17 17:17
TF1-RB-090117	SC38778-12		09/07/17 17:17
Reference	1715081-SRM2		09/07/17 17:17
Blank	1715081-BLK2		09/07/17 17:17

PREPARATION BENCH SHEET

1715081

Sequence S707959

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
1715081-BLK1	Blank		QC	300	300					
1715081-BLK2	Blank		QC	300	300					
1715081-BS1	LCS		QC	300	300	17H0348				
1715081-DUP1	Duplicate		QC	300	300		SC38778-01			
1715081-MS1	Matrix Spike		QC	300	300	17H0348	SC38778-01			
1715081-MSD1	Matrix Spike Dup		QC	300	300	17H0348	SC38778-01			
1715081-SRM1	Reference		QC	300	300	17I0014				
1715081-SRM2	Reference		QC	300	300	17I0014				
SC38778-01	TF1-EBP-GT124R-083117	N	wc-BOD/5-day	300	300			13-Sep-17 16:00		DoD Level IV
SC38778-02	TF1-GT-110-083117	P	wc-BOD/5-day	300	300			13-Sep-17 16:00		DoD Level IV
SC38778-03	TF1-DUP-02-083117	Q	wc-BOD/5-day	300	300			13-Sep-17 16:00		DoD Level IV
SC38778-04	TF1-GT-128-083117	M	wc-BOD/5-day	300	300			13-Sep-17 16:00		DoD Level IV
SC38778-05	TF1-GZ-114-083117	N	wc-BOD/5-day	300	300			13-Sep-17 16:00		DoD Level IV
SC38778-06	TF1-GZ-117-083117	N	wc-BOD/5-day	300	300			13-Sep-17 16:00		DoD Level IV
SC38778-09	TF1-GT-112-090117	N	wc-BOD/5-day	300	300			13-Sep-17 16:00		DoD Level IV
SC38778-10	TF1-GT-120-090117	N	wc-BOD/5-day	300	300			13-Sep-17 16:00		DoD Level IV
SC38778-11	TF1-GT-131-090117	N	wc-BOD/5-day	300	300			13-Sep-17 16:00		DoD Level IV
SC38778-12	TF1-RB-090117	N	wc-BOD/5-day	300	300			13-Sep-17 16:00		DoD Level IV

wc-BOD5 09/01/17

Reagents Used:

7N
 Analyst Reviewed

09/07/17
 Date

30
 Manager Reviewed

9/11/17
 Date

Extracts Received By

Date

FORM III - BLANKS

SM18-22 5210B

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Instrument ID: DO Meter

Calibration: UNASSIGNED

Sequence: S707959

Matrix: Aqueous

Lab Sample ID	Analyte	Found	MRL	Units	C	Method
1715081-BLK1	Biochemical Oxygen Demand (5-day	BRL	3.00	mg/l	U	SM18-22 5210B
1715081-BLK2	Biochemical Oxygen Demand (5-day	BRL	3.00	mg/l	U	SM18-22 5210B

FORM IIIa - LCS / LCS DUPLICATE RECOVERY**SM18-22 5210B**Laboratory: Eurofins Spectrum Analytical, Inc. - MASDG: SC38778Client: Tetra Tech, Inc. - Salem, NHProject: WE15 Tank Farm 1 NAVSTA NewportMatrix: AqueousInstrument: DO MeterBatch: 1715081Laboratory ID: 1715081-BS1Preparation: General PreparationInitial/Final: 300 ml / 300 mlAnalyzed: 09/07/17 17:17Spike ID: 17H0348

File ID:

COMPOUND	SPIKE ADDED (mg/l)	LCS CONCENTRATION (mg/l)	LCS % REC. #	QC LIMITS REC.
Biochemical Oxygen Demand (5-day)	198	170	86	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-EBP-GT124R-083117

SM18-22 5210B

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Instrument: DO Meter

Batch: 1715081

Laboratory ID: 1715081-MS1

Preparation: General Preparation

Initial/Final: 300 ml / 300 ml

Source Sample Name: TF1-EBP-GT124R-083117

% 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	56.0	94	75 - 125

File ID:

COMPOUND	SPIKE ADDED (mg/l)	MSD CONCENTRATION (mg/l)	MSD % REC. #	QC LIMITS		
				% RPD #	RPD	REC.
Biochemical Oxygen Demand (5-day)	59.4	71.0	120	24 *	20	75 - 125

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

* Values outside of QC limits

FORM IIIc - DUPLICATES

TF1-EBP-GT124R-083117

SM18-22 5210B

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Laboratory ID: 1715081-DUP1

Batch: 1715081

Lab Source ID: SC38778-01

Preparation: General Preparation

Initial/Final: 300 ml / 300 ml

Source Sample Name: TF1-EBP-GT124R-083117

% Solids:

File ID:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/l)	C	DUPLICATE CONCENTRATION (mg/l)	C	RPD %	Q	METHOD
Biochemical Oxygen Demand (5-day)	20	BRL		3.00				SM18-22 5210B

* 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: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Spike ID: 17I0014

Batch: 1715081

Laboratory ID: 1715081-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)	64.5	52.0	81	67 - 133

* Values outside of QC limits

FORM VIIb(Inorganics) - STANDARD REFERENCE MATERIAL RECOVERY

SM18-22 5210B

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Spike ID: 17I0014

Batch: 1715081

Laboratory ID: 1715081-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)	64.5	49.0	76	67 - 133

* Values outside of QC limits

CROSS REFERENCE TABLE

SM2320B (97, 11)

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Project Number: 112608005-WE15

Client Sample ID:

Lab Sample ID:

TF1-EBP-GT124R-083117

SC38778-01

TF1-GT-110-083117

SC38778-02

TF1-DUP-02-083117

SC38778-03

TF1-GT-128-083117

SC38778-04

TF1-GZ-114-083117

SC38778-05

TF1-GZ-117-083117

SC38778-06

TF1-GT-112-090117

SC38778-09

TF1-GT-120-090117

SC38778-10

TF1-GT-131-090117

SC38778-11

TF1-RB-090117

SC38778-12

FORM VIII(Organics)/FORM XIII(Inorganics)
ANALYSIS BATCH (SEQUENCE) SUMMARY
SM2320B (97, 11)

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analyzed
Blank	1715643-BLK1	TOOL Alk 2017-09-13 1719-00	09/13/17 17:19
LCS	1715643-BS1	TOOL Alk 2017-09-13 1719-00	09/13/17 17:21
Reference	1715643-SRM1	TOOL Alk 2017-09-13 1719-00	09/13/17 17:26
TF1-EBP-GT124R-083117	1715643-DUP1	TOOL Alk 2017-09-13 1719-00	09/13/17 17:32
TF1-EBP-GT124R-083117	1715643-MS1	TOOL Alk 2017-09-13 1719-00	09/13/17 17:35
TF1-EBP-GT124R-083117	1715643-MSD1	TOOL Alk 2017-09-13 1719-00	09/13/17 17:39
Blank	1715643-BLK2	TOOL Alk 2017-09-13 1719-00	09/13/17 17:52
LCS	1715643-BS2	TOOL Alk 2017-09-13 1719-00	09/13/17 17:54
Blank	1715643-BLK3	TOOL Alk 2017-09-13 1719-00	09/13/17 18:53
LCS	1715643-BS3	TOOL Alk 2017-09-13 1719-00	09/13/17 18:55
Blank	1715643-BLK4	TOOL Alk 2017-09-13 1719-00	09/13/17 19:24
LCS	1715643-BS4	TOOL Alk 2017-09-13 1719-00	09/13/17 19:25

FORM III - BLANKS

SM2320B (97, 11)

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

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
1715643-BLK1	Total Alkalinity	BRL	4.00	mg/l CaCO3	U	SM2320B (97, 11)
1715643-BLK2	Total Alkalinity	BRL	4.00	mg/l CaCO3	U	SM2320B (97, 11)
1715643-BLK3	Total Alkalinity	BRL	4.00	mg/l CaCO3	U	SM2320B (97, 11)
1715643-BLK4	Total Alkalinity	BRL	4.00	mg/l CaCO3	U	SM2320B (97, 11)

PREPARATION BENCH SHEET

1715643

AIK-20170913-1719

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
1715643-BLK1	Blank		QC	50	50					
1715643-BLK2	Blank		QC	50	50					
1715643-BLK3	Blank		QC	50	50					
1715643-BLK4	Blank		QC	50	50					
1715643-BS1	LCS		QC	50	50	17E0587				
1715643-BS2	LCS		QC	50	50	17E0587				
1715643-BS3	LCS		QC	50	50	17E0587				
1715643-BS4	LCS		QC	50	50	17E0587				
1715643-DUP1	Duplicate		QC	100	50		SC38778-01			
1715643-MS1	Matrix Spike		QC	100	50	17E0587	SC38778-01		16	1 to 9/14/17 RW
1715643-MSD1	Matrix Spike Dup		QC	100	50	17E0587	SC38778-01		16	
1715643-SRM1	Reference		QC	50	50	17H0359				
SC38778-01	TF1-EBP-GT124R-083117	N	wc-Alkalinity S	100	50			13-Sep-17 16:00		DoD Level IV
SC38778-02	TF1-GT-110-083117	P	wc-Alkalinity S	100	50			13-Sep-17 16:00		DoD Level IV
SC38778-03	TF1-DUP-02-083117	Q	wc-Alkalinity S	100	50			13-Sep-17 16:00		DoD Level IV
SC38778-04	TF1-GT-128-083117	M	wc-Alkalinity S	100	50			13-Sep-17 16:00		DoD Level IV
SC38778-05	TF1-GZ-114-083117	N	wc-Alkalinity S	100	50			13-Sep-17 16:00		DoD Level IV
SC38778-06	TF1-GZ-117-083117	N	wc-Alkalinity S	100	50			13-Sep-17 16:00		DoD Level IV
SC38778-09	TF1-GT-112-090117	N	wc-Alkalinity S	100	50			13-Sep-17 16:00		DoD Level IV
SC38778-10	TF1-GT-120-090117	N	wc-Alkalinity S	100	50			13-Sep-17 16:00		DoD Level IV
SC38778-11	TF1-GT-131-090117	N	wc-Alkalinity S	100	50			13-Sep-17 16:00		DoD Level IV
SC38778-12	TF1-RB-090117	N	wc-Alkalinity S	100	50			13-Sep-17 16:00		DoD Level IV

Analyst Reviewed

Date

Manager Reviewed

Date

Extracts Received By

Date

Printed: 9/14/2017 2:41:25PM

Page 1 of 2

PREPARATION BENCH SHEET

1715643

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
SC38784-01	ME-B1b	D	wc-Alkalinity S	50	50			13-Sep-17 16:00		
SC38784-02	ME-B1a	D	wc-Alkalinity S	50	50			13-Sep-17 16:00		
SC38784-03	ME-F5	D	wc-Alkalinity S	50	50			13-Sep-17 16:00		
SC38784-04	ME-F1	D	wc-Alkalinity S	100	50			13-Sep-17 16:00		
SC38784-05	ME-F2	D	wc-Alkalinity S	50	50			13-Sep-17 16:00		
SC38784-06	ME-F3	D	wc-Alkalinity S	50	50			13-Sep-17 16:00		
SC38784-07	ME-F6	D	wc-Alkalinity S	50	50			13-Sep-17 16:00		
SC38784-08	ME-F7	D	wc-Alkalinity S	50	50			13-Sep-17 16:00		
SC38909-04	AL-SC-A	A	wc-Alkalinity S	100	50			15-Sep-17 16:00		
SC38915-01	AL-SC-TDS	A	wc-Alkalinity S	50	50			15-Sep-17 16:00		

9/12/17

Reagents Used:

BD
9/14/17
Analyst Reviewed DateAgued
9/14/17
Manager Reviewed Date

Extracts Received By Date

FORM IIIa - LCS / LCS DUPLICATE RECOVERY
SM2320B (97, 11)

Laboratory:	<u>Eurofins Spectrum Analytical, Inc. - MA</u>	SDG:	<u>SC38778</u>
Client:	<u>Tetra Tech, Inc. - Salem, NH</u>	Project:	<u>WE15 Tank Farm 1 NAVSTA Newport</u>
Matrix:	<u>Aqueous</u>	Instrument:	Titration
Batch:	<u>1715643</u>	Laboratory ID:	<u>1715643-BS1</u>
Preparation:	<u>General Preparation</u>	Initial/Final:	<u>50 ml / 50 ml</u>
Analyzed:	<u>09/13/17 17:21</u>	Spike ID:	17E0587
		File ID:	<u>DTOOL Alk 2017-09-13 1719-002</u>

COMPOUND	SPIKE ADDED (mg/l CaCO ₃)	LCS CONCENTRATION (mg/l CaCO ₃)	LCS % REC. #	QC LIMITS REC.
Total Alkalinity	50.0	52.7	105	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>SC38778</u>
Client:	<u>Tetra Tech, Inc. - Salem, NH</u>	Project:	<u>WE15 Tank Farm 1 NAVSTA Newport</u>
Matrix:	<u>Aqueous</u>	Instrument:	Titration
Batch:	<u>1715643</u>	Laboratory ID:	<u>1715643-BS2</u>
Preparation:	<u>General Preparation</u>	Initial/Final:	<u>50 ml / 50 ml</u>
Analyzed:	<u>09/13/17 17:54</u>	Spike ID:	17E0587
		File ID:	<u>DTOOL Alk 2017-09-13 1719-012</u>

COMPOUND	SPIKE ADDED (mg/l CaCO ₃)	LCS CONCENTRATION (mg/l CaCO ₃)	LCS % REC. #	QC LIMITS REC.
Total Alkalinity	50.0	52.7	105	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>SC38778</u>
Client:	<u>Tetra Tech, Inc. - Salem, NH</u>	Project:	<u>WE15 Tank Farm 1 NAVSTA Newport</u>
Matrix:	<u>Aqueous</u>	Instrument:	Titration
Batch:	<u>1715643</u>	Laboratory ID:	<u>1715643-BS3</u>
Preparation:	<u>General Preparation</u>	Initial/Final:	<u>50 ml / 50 ml</u>
Analyzed:	<u>09/13/17 18:55</u>	Spike ID:	17E0587
		File ID:	<u>DTOOL Alk 2017-09-13 1719-024</u>

COMPOUND	SPIKE ADDED (mg/l CaCO ₃)	LCS CONCENTRATION (mg/l CaCO ₃)	LCS % REC. #	QC LIMITS REC.
Total Alkalinity	50.0	52.4	105	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>SC38778</u>
Client:	<u>Tetra Tech, Inc. - Salem, NH</u>	Project:	<u>WE15 Tank Farm 1 NAVSTA Newport</u>
Matrix:	<u>Aqueous</u>	Instrument:	Titration
Batch:	<u>1715643</u>	Laboratory ID:	<u>1715643-BS4</u>
Preparation:	<u>General Preparation</u>	Initial/Final:	<u>50 ml / 50 ml</u>
Analyzed:	<u>09/13/17 19:25</u>	Spike ID:	17E0587
		File ID:	<u>DTOOL Alk 2017-09-13 1719-032</u>

COMPOUND	SPIKE ADDED (mg/l CaCO ₃)	LCS CONCENTRATION (mg/l CaCO ₃)	LCS % REC. #	QC LIMITS REC.
Total Alkalinity	50.0	52.2	104	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-EBP-GT124R-083117

SM2320B (97, 11)

Laboratory: Eurofins Spectrum Analytical, Inc. - MA

SDG: SC38778

Client: Tetra Tech, Inc. - Salem, NH

Project: WE15 Tank Farm 1 NAVSTA Newport

Matrix: Aqueous

Instrument: Titration

Batch: 1715643

Laboratory ID: 1715643-MS1

Preparation: General Preparation

Initial/Final: 100 ml / 50 ml

Source Sample Name: TF1-EBP-GT124R-083117

% Solids:

Spike ID: 17E0587

File ID: DTOOL Alk 2017-09-13 1719-006

COMPOUND	SPIKE ADDED (mg/l)	SAMPLE CONCENTRATION (mg/l CaCO ₃)	MS CONCENTRATION (mg/l CaCO ₃)	MS % REC. #	QC LIMITS REC.
Total Alkalinity	25.0	2.98	31.5	114	80 - 120

File ID: DTOOL Alk 2017-09-13 1719-007

COMPOUND	SPIKE ADDED (mg/l)	MSD CONCENTRATION (mg/l CaCO ₃)	MSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Total Alkalinity	25.0	31.1	113	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-EBP-GT124R-083117****SM2320B (97, 11)**Laboratory: Eurofins Spectrum Analytical, Inc. - MASDG: SC38778Client: Tetra Tech, Inc. - Salem, NHProject: WE15 Tank Farm 1 NAVSTA NewportMatrix: AqueousLaboratory ID: 1715643-DUP1Batch: 1715643Lab Source ID: SC38778-01Preparation: General PreparationInitial/Final: 100 ml / 50 mlSource Sample Name: TF1-EBP-GT124R-083117

% Solids:

File ID: DTOOL Alk 2017-09-13 1719-005

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/l CaCO ₃)	C	DUPLICATE CONCENTRATION (mg/l CaCO ₃)	C	RPD %	Q	METHOD
Total Alkalinity	20	2.98		3.94		28	*	SM2320B (97, 11)

* 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:** SC38778**Client:** Tetra Tech, Inc. - Salem, NH**Project:** WE15 Tank Farm 1 NAVSTA Newport**Matrix:** Aqueous**Spike ID:** 17H0359**Batch:** 1715643**Laboratory ID:** 1715643-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	120	97	92 - 111

* Values outside of QC limits

Project Name: sc38778
LL Group #: 1857442

General Comments:

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

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

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

Project specific QC samples are not included in this data set

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

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

For dual column analyses, the surrogate (for multi-surrogate tests, at least one surrogate) must be within the acceptance limits on at least one of the two columns.

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

Analysis Specific Comments:**SW-846 6020A, Metals**

Batch #: 172771063902A (Sample number(s): 9240389-9240398 UNSPK: P240345 BKG: P240345)

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

Batch #: 172771063902D (Sample number(s): 9240389-9240398 UNSPK: P240345 BKG: P240345)

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

SAMPLE INFORMATION

<u>Client Sample Description</u>	<u>Collection Information</u>	<u>ELLE#</u>
SC38778-01 Groundwater	08/31/2017 16:22	9240389
SC38778-02 Groundwater	08/31/2017 10:56	9240390
SC38778-03 Groundwater	08/31/2017	9240391
SC38778-04 Groundwater	08/31/2017 14:40	9240392
SC38778-05 Groundwater	08/31/2017 09:15	9240393
SC38778-06 Groundwater	08/31/2017 15:05	9240394
SC38778-09 Groundwater	09/01/2017 09:00	9240395
SC38778-10 Groundwater	09/01/2017 09:07	9240396
SC38778-11 Groundwater	09/01/2017 09:03	9240397
SC38778-12 Groundwater	09/01/2017 10:00	9240398

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Sample Administration
Receipt Documentation Log

Doc Log ID: 196044



Group Number(s):

1857442

Client: Spectrum

Delivery and Receipt Information

Delivery Method:	<u>Fed Ex</u>	Arrival Timestamp:	<u>09/30/2017 9:55</u>
Number of Packages:	<u>3</u>	Number of Projects:	<u>11</u>
State/Province of Origin:	<u>MA</u>		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace $\geq$ 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	0
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Simon Nies (25112) at 14:48 on 09/30/2017

Samples Chilled Details

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

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	32170023	-0.8	IR	Wet	Y	Loose	N
2	32170023	0.6	IR	Wet	Y	Loose	N
3	32170023	0.0	IR	Wet	Y	Loose	N

Explanation of Symbols and Abbreviations

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

BMQL	Below Minimum Quantitation Level	mg	milligram(s)
C	degrees Celsius	mL	milliliter(s)
cfu	colony forming units	MPN	Most Probable Number
CP Units	cobalt-chloroplatinate units	N.D.	non-detect
F	degrees Fahrenheit	ng	nanogram(s)
g	gram(s)	NTU	nephelometric turbidity units
IU	International Units	pg/L	picogram/liter
kg	kilogram(s)	RL	Reporting Limit
L	liter(s)	TNTC	Too Numerous To Count
lb.	pound(s)	µg	microgram(s)
m3	cubic meter(s)	µL	microliter(s)
meq	milliequivalents	umhos/cm	micromhos/cm
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

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

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

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

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

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

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Data Qualifiers

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

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.

Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Case Narrative/Conformance Summary

CLIENT: Eurofins Spectrum Analytical
SDG: SAI27

ICP Metals

Fraction: Metals in Liquid

Sample #	Client ID	Matrix		Comments
		Liquid	Solid	
9240389	SC38778-01	X		
9240390	SC38778-02	X		
9240391	SC38778-03	X		
9240392	SC38778-04	X		
9240393	SC38778-05	X		
9240394	SC38778-06	X		
9240395	SC38778-09	X		
9240396	SC38778-10	X		
9240397	SC38778-11	X		
9240398	SC38778-12	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

Matrix QC may not be included if site-specific QC were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, laboratory spike data (LCS) are provided.

Method: MS
Batch Number: 172771063902

Lab Sample ID	Date	Initial Volume(ml)	Final Volume(ml)
9240389	10/08/2017	50.00	50
9240390	10/08/2017	50.00	50
9240391	10/08/2017	50.00	50
9240392	10/08/2017	50.00	50
9240393	10/08/2017	50.00	50
9240394	10/08/2017	50.00	50
9240395	10/08/2017	50.00	50
9240396	10/08/2017	50.00	50
9240397	10/08/2017	50.00	50
9240398	10/08/2017	50.00	50
*40345BKG	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

Quality Control Summary

Client Name: Eurofins Spectrum Analytical
Reported: 10/12/2017 14:23

Group Number: 1857442

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

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	DL**	LOD	LOQ
	mg/l	mg/l	mg/l	mg/l
Batch number: 172771063902A	Sample number(s): 9240389-9240398			
Antimony	0.0010 U	0.00045	0.0010	0.0020
Arsenic	0.0020 U	0.00072	0.0020	0.0040
Beryllium	0.00025 U	0.000071	0.00025	0.0010
Cadmium	0.00050 U	0.00015	0.00050	0.0010
Chromium	0.0020 U	0.00087	0.0020	0.0040
Cobalt	0.00050 U	0.00016	0.00050	0.0010
Copper	0.0010 U	0.00054	0.0010	0.0040
Lead	0.00025 U	0.00011	0.00025	0.0020
Manganese	0.0020 U	0.00090	0.0020	0.0040
Nickel	0.0020 U	0.0010	0.0020	0.0040
Silver	0.00025 U	0.00015	0.00025	0.0010
Thallium	0.00025 U	0.00012	0.00025	0.0010
Vanadium	0.00050 U	0.00021	0.00050	0.0010
Zinc	0.0075 U	0.0039	0.0075	0.0300
Batch number: 172771063902B	Sample number(s): 9240389-9240398			
Selenium	0.0010 U	0.00050	0.0010	0.0040
Batch number: 172771063902C	Sample number(s): 9240389-9240398			
Molybdenum	0.00050 U	0.00025	0.00050	0.0010
Batch number: 172771063902D	Sample number(s): 9240389-9240398			
Barium	0.0020 U	0.00072	0.0020	0.0040

LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	mg/l	mg/l	mg/l	mg/l					
Batch number: 172771063902A	Sample number(s): 9240389-9240398								
Antimony	0.00600	0.00563			94		85-117		
Arsenic	0.0100	0.0104			104		84-116		
Beryllium	0.00400	0.00415			104		83-121		
Cadmium	0.00500	0.00515			103		87-115		
Chromium	0.0500	0.0505			101		85-116		
Cobalt	0.250	0.262			105		86-115		
Copper	0.0500	0.0538			108		85-118		
Lead	0.0150	0.0154			102		88-115		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

(3) The surrogate spike amount was less than the LOD.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Eurofins Spectrum Analytical
Reported: 10/12/2017 14:23

Group Number: 1857442

LCS/LCSD (continued)

Analysis Name	LCS Spike Added mg/l	LCS Conc mg/l	LCSD Spike Added mg/l	LCSD Conc mg/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Manganese	0.0500	0.0484			97		87-115		
Nickel	0.0500	0.0530			106		85-117		
Silver	0.0500	0.0525			105		85-116		
Thallium	0.00200	0.00197			98		82-116		
Vanadium	0.0500	0.0504			101		86-115		
Zinc	0.500	0.534			107		83-119		
Batch number: 172771063902B	Sample number(s): 9240389-9240398								
Selenium	0.0100	0.0103			103		80-120		
Batch number: 172771063902C	Sample number(s): 9240389-9240398								
Molybdenum	0.0500	0.0529			106		83-115		
Batch number: 172771063902D	Sample number(s): 9240389-9240398								
Barium	0.0500	0.0498			100		86-114		

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc mg/l	MS Spike Added mg/l	MS Conc mg/l	MSD Spike Added mg/l	MSD Conc mg/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 172771063902A	Sample number(s): 9240389-9240398 UNSPK: P240345									
Antimony	0.0010 U	0.00600	0.00582	0.00600	0.00598	97	100	85-117	3	20
Arsenic	0.00417	0.0100	0.0149	0.0100	0.0155	107	113	84-116	4	20
Beryllium	0.000168	0.00400	0.00427	0.00400	0.00410	103	98	83-121	4	20
Cadmium	0.00050 U	0.00500	0.00505	0.00500	0.00465	101	93	87-115	8	20
Chromium	0.0020 U	0.0500	0.0521	0.0500	0.0503	104	101	85-116	4	20
Cobalt	0.0947	0.250	0.356	0.250	0.364	105	108	86-115	2	20
Copper	0.0010 U	0.0500	0.0537	0.0500	0.0536	107	107	85-118	0	20
Lead	0.00025 U	0.0150	0.0152	0.0150	0.0153	101	102	88-115	0	20
Manganese	4.34	0.0500	4.24	0.0500	4.27	-188 (2)	-147 (2)	87-115	0	20
Nickel	0.104	0.0500	0.159	0.0500	0.158	110	109	85-117	1	20
Silver	0.00025 U	0.0500	0.0532	0.0500	0.0536	106	107	85-116	1	20
Thallium	0.00025 U	0.00200	0.00202	0.00200	0.00212	101	106	82-116	5	20
Vanadium	0.00050 U	0.0500	0.0511	0.0500	0.0516	102	103	86-115	1	20
Zinc	0.0981	0.500	0.621	0.500	0.631	105	106	83-119	2	20
Batch number: 172771063902B	Sample number(s): 9240389-9240398 UNSPK: P240345									
Selenium	0.0010 U	0.0100	0.0100	0.0100	0.00984	100	98	80-120	2	20
Batch number: 172771063902C	Sample number(s): 9240389-9240398 UNSPK: P240345									
Molybdenum	0.00050 U	0.0500	0.0510	0.0500	0.0524	102	105	83-115	3	20

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

(3) The surrogate spike amount was less than the LOD.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Eurofins Spectrum Analytical
Reported: 10/12/2017 14:23

Group Number: 1857442

MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc mg/l	MS Spike Added mg/l	MS Conc mg/l	MSD Spike Added mg/l	MSD Conc mg/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: 172771063902D	Sample number(s): 9240389-9240398 UNSPK: P240345									
Barium	0.00896	0.0500	0.0593	0.0500	0.0620	101	106	86-114	4	20

Laboratory Duplicate

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	BKG Conc mg/l	DUP Conc mg/l	DUP RPD	DUP RPD Max
Batch number: 172771063902A	Sample number(s): 9240389-9240398 BKG: P240345			
Antimony	0.0010 U	0.0010 U	0 (1)	20
Arsenic	0.00417	0.00441	6 (1)	20
Beryllium	0.000168	0.000168	0 (1)	20
Cadmium	0.00050 U	0.00050 U	0 (1)	20
Chromium	0.0020 U	0.0020 U	0 (1)	20
Cobalt	0.0947	0.0952	1	20
Copper	0.0010 U	0.0010 U	0 (1)	20
Lead	0.00025 U	0.00025 U	0 (1)	20
Manganese	4.34	4.17	4	20
Nickel	0.104	0.104	0	20
Silver	0.00025 U	0.00025 U	0 (1)	20
Thallium	0.00025 U	0.00025 U	0 (1)	20
Vanadium	0.00050 U	0.00050 U	0 (1)	20
Zinc	0.0981	0.0987	1 (1)	20
Batch number: 172771063902B	Sample number(s): 9240389-9240398 BKG: P240345			
Selenium	0.0010 U	0.0010 U	0 (1)	20
Batch number: 172771063902C	Sample number(s): 9240389-9240398 BKG: P240345			
Molybdenum	0.00050 U	0.00050 U	0 (1)	20
Batch number: 172771063902D	Sample number(s): 9240389-9240398 BKG: P240345			
Barium	0.00896	0.00695	25* (1)	20

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

(3) The surrogate spike amount was less than the LOD.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

QUALITY ASSURANCE SUMMARY

FORM 9

SERIAL DILUTIONS

SDG No.: SAI27

Matrix: WATER

Level (low/med): LOW

Background Lab Sample ID: *40345BKG

Serial Dilution Lab Sample ID: *40345L

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.

METHODS:

P = ICP Atomic Emission Spectrometer
MS = ICP Mass Spectrometry

CONCENTRATION QUALIFIERS:

U= Below MDL
B= Below LOQ

FLAGS:

E = Matrix Effects exist as proven by
Serial Dilution or Spiked Dilution



Lancaster Laboratories
Environmental

QUALITY ASSURANCE SUMMARY

FORM 14

ANALYSIS RUN LOG

SDG No.: SAI27

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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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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
A = Post Digest Spike
L = Serial Dilution
B = Blank
Q = Laboratory Control Sample
Y = Laboratory Control Sample Duplicate



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 N									
9240395	1.00	22:05	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X									
9240396	1.00	22:08	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X									
9240397	1.00	22:12	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X									
9240398	1.00	22:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
CCV	1.00	22:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									
CCB	1.00	22:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X									

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
A = Post Digest Spike
L = Serial Dilution
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Y = Laboratory Control Sample Duplicate



Lancaster Laboratories
Environmental

QUALITY ASSURANCE SUMMARY
FORM 14
ANALYSIS RUN LOG
SDG No.: SAI27

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										
S0	1.00	04:17			X							X																
S	1.00	04:19			X							X																
CCS	1.00	04:21			X							X																
CCS	1.00	04:23			X							X																
ICV	1.00	04:25			X							X																
ICB	1.00	04:26			X							X																
LLC	1.00	04:28			X							X																
ICSA	1.00	04:30			X							X																
ICSAB	1.00	04:32			X							X																
ZZZZZZ	1.00	04:34																										
CCV	1.00	04:36			X							X																
CCB	1.00	04:37			X							X																
P27763BQ	1.00	04:39			X																							
*40345BKG	1.00	04:41			X																							
ZZZZZZ	1.00	04:43																										
ZZZZZZ	1.00	04:45																										
ZZZZZZ	1.00	04:47																										
ZZZZZZ	1.00	04:48																										
*40345L	5.00	04:50			X																							
ZZZZZZ	1.00	04:52																										
ZZZZZZ	1.00	04:54																										
ZZZZZZ	1.00	04:56																										
CCV	1.00	04:58			X							X																
CCB	1.00	05:00			X							X																
ZZZZZZ	1.00	05:01																										
ZZZZZZ	1.00	05:03																										
ZZZZZZ	5.00	05:05																										
ZZZZZZ	1.00	05:07																										
ZZZZZZ	1.00	05:09																										
ZZZZZZ	1.00	05:11																										
9240389	1.00	05:12			X																							
9240390	1.00	05:14			X																							
9240391	1.00	05:16			X																							
9240392	1.00	05:18			X																							
CCV	1.00	05:20			X							X																
CCB	1.00	05:22			X							X																
9240393	1.00	05:24			X																							
9240394	1.00	05:25			X																							

METHODS:

P = ICP Atomic Emission Spectrometer
MS = ICP Mass Spectrometry
CV = Cold Vapor
AF = Cold Vapor Atomic Fluorescence

LEGEND:

BKG = Background
DUP = Duplicate
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MSD = Matrix Spike Duplicate
A = Post Digest Spike
L = Serial Dilution
B = Blank
Q = Laboratory Control Sample
Y = Laboratory Control Sample Duplicate



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	Z N									
9240394	5.00	05:27									X																	
9240395	1.00	05:29			X																							
9240396	1.00	05:31			X																							
9240397	1.00	05:33			X																							
CCV	1.00	05:35			X						X																	
CCB	1.00	05:36			X						X																	

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
A = Post Digest Spike
L = Serial Dilution
B = Blank
Q = Laboratory Control Sample
Y = Laboratory Control Sample Duplicate

Instrument ID: 19204

Start Date: 10/11/2017

Run Name: 1728411E05

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					
*40345BKG	20:51	89		97		96		94		93					
ZZZZZZ	20:54														
ZZZZZZ	20:57														
ZZZZZZ	21:00														
ZZZZZZ	21:03														
*40345L	21:06	89		94		95		89		92					
ZZZZZZ	21:10														
ZZZZZZ	21:13														
CCV	21:16	91		96		95		93		92					
CCB	21:19	91		96		94		97		94					
ZZZZZZ	21:22														
ZZZZZZ	21:25														
ZZZZZZ	21:28														
ZZZZZZ	21:31														
ZZZZZZ	21:34														
ZZZZZZ	21:37														
9240389	21:41	93		95		93		91		92					

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

Instrument ID: 19204

Start Date: 10/11/2017

Run Name: 1728411E05

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
9240390	21:44	88		94		94		87		91			
9240391	21:47	89		94		94		89		92			
9240392	21:50	88		96		94		90		93			
CCV	21:53	88		94		94		91		94			
CCB	21:56	88		93		93		89		93			
9240393	21:59	88		94		94		89		93			
9240394	22:02	89		94		94		94		93			
9240395	22:05	93		96		94		92		93			
9240396	22:08	87		92		94		93		92			
9240397	22:12	91		94		94		92		93			
9240398	22:15	89		93		94		89		93			
CCV	22:18	88		92		93		88		93			
CCB	22:21	88		91		90		89		93			

LEGEND:

BKG = Background MS = Matrix Spike
 DUP = Duplicate MSD = Matrix Spike Duplicate
 L = Serial Dilution A = Post Digest Spike
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BE = Beryllium LI = Lithium
 BI = Bismuth SC = Scandium
 GE = Germanium TB = Terbium
 HO = Holmium Y = Yttrium
 IN = Indium

Instrument ID: 19204

Start Date: 10/12/2017

Run Name: 1728503E05

End Date: 10/12/2017

Standard	Elements Applies to	Standard	Elements Applies to
IN-1-115	BA	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									
*40345BKG	04:41			99									
ZZZZZZ	04:43												
ZZZZZZ	04:45												
ZZZZZZ	04:47												
ZZZZZZ	04:48												
*40345L	04:50			108									
ZZZZZZ	04:52												
ZZZZZZ	04:54												
ZZZZZZ	04:56												
CCV	04:58	111		109									
CCB	05:00	106		110									
ZZZZZZ	05:01												
ZZZZZZ	05:03												
ZZZZZZ	05:05												
ZZZZZZ	05:07												
ZZZZZZ	05:09												
ZZZZZZ	05:11												
9240389	05:12			113									

LEGEND:

BKG = Background MS = Matrix Spike
 DUP = Duplicate MSD = Matrix Spike Duplicate
 L = Serial Dilution A = Post Digest Spike
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INTERNAL STANDARD ELEMENTS:

BE = Beryllium LI = Lithium
 BI = Bismuth SC = Scandium
 GE = Germanium TB = Terbium
 HO = Holmium Y = Yttrium
 IN = Indium

Instrument ID: 19204

Start Date: 10/12/2017

Run Name: 1728503E05

End Date: 10/12/2017

Standard	Elements Applies to	Standard	Elements Applies to
IN-1-115	BA	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
9240390	05:14			109									
9240391	05:16			113									
9240392	05:18			114									
CCV	05:20	113		114									
CCB	05:22	112		113									
9240393	05:24			114									
9240394	05:25			115									
9240394	05:27	111											
9240395	05:29			116									
9240396	05:31			110									
9240397	05:33			112									
CCV	05:35	110		113									
CCB	05:36	113		118									

LEGEND:

BKG = Background MS = Matrix Spike
 DUP = Duplicate MSD = Matrix Spike Duplicate
 L = Serial Dilution A = Post Digest Spike
 B = Blank
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 Y = Laboratory Control Sample Duplicate

FLAG:

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INTERNAL STANDARD ELEMENTS:

BE = Beryllium LI = Lithium
 BI = Bismuth SC = Scandium
 GE = Germanium TB = Terbium
 HO = Holmium Y = Yttrium
 IN = Indium

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)		
		C	1	C	2	C	3	C	Batch Number
Antimony	121	0.35U	0.35U	0.35U	0.35U	0.35U	121	0.450U	172771063902A
Arsenic	75	0.60U	0.60U	0.60U	0.60U	0.60U	75	0.720U	172771063902A
Barium	137	0.43U	0.43U	0.43U	0.43U	0.43U	137	0.720U	172771063902A
Beryllium	9	0.054U	0.054U	0.054U	0.054U	0.054U	9	0.071U	172771063902A
Cadmium	111	0.15U	0.15U	0.15U	0.15U	0.15U	111	0.150U	172771063902A
Chromium	52	0.50U	0.50U	0.50U	0.50U	0.50U	52	0.870U	172771063902A
Cobalt	59	0.17U	0.17U	0.17U	0.17U	0.17U	59	0.160U	172771063902A
Copper	63	0.40U	0.40U	0.40U	0.40U	0.40U	63	0.540U	172771063902A
Lead	208	0.088U	0.088U	0.088U	0.088U	0.088U	208	0.110U	172771063902A
Manganese	55	0.90U	0.90U	0.90U	0.90U	0.90U	55	0.900U	172771063902A
Molybdenum	98	0.25U	0.25U	0.25U	0.25U	0.25U	98	0.250U	172771063902A
Nickel	60	0.61U	0.61U	0.61U	0.61U	0.61U	60	1.000U	172771063902A
Selenium	78	0.50U	0.50U	0.50U	0.50U	0.50U	78	0.500U	172771063902A
Silver	107	0.12U	0.12U	0.12U	0.12U	0.12U	107	0.150U	172771063902A
Thallium	203	0.12U	0.12U	0.12U	0.12U	0.12U	203	0.120U	172771063902A
Vanadium	51	0.17U	0.17U	0.17U	0.17U	0.17U	51	0.210U	172771063902A
Zinc	66	2.6U	2.6U	2.6U	2.6U	2.6U	66	3.900U	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



Lancaster Laboratories
Environmental

QUALITY ASSURANCE SUMMARY
FORM 3
BLANKS
SDG No.: SAI27

Method: MS
Run Name: 1728411E05
Calibration Date(s): 10/11/2017

Analyte	Mass	Initial Calibration Blank (ug/L)	Continuing Calibration Blank (ug/L)						Preparation Blank (UG/L)		
			C	1	C	2	C	3	C	Mass	Batch Number
Antimony	121			0.35	U						
Arsenic	75			0.60	U						
Barium	137			0.43	U						
Beryllium	9			0.054	U						
Cadmium	111			0.15	U						
Chromium	52			0.50	U						
Cobalt	59			0.17	U						
Copper	63			0.40	U						
Lead	208			0.088	U						
Manganese	55			0.90	U						
Molybdenum	98			0.25	U						
Nickel	60			0.61	U						
Selenium	78			0.50	U						
Silver	107			0.12	U						
Thallium	203			0.12	U						
Vanadium	51			0.17	U						
Zinc	66			2.6	U						

METHODS:

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Lancaster Laboratories
Environmental

QUALITY ASSURANCE SUMMARY
FORM 3
BLANKS
SDG No.: SAI27

Method: MS
Run Name: 1728503E05
Calibration Date(s): 10/12/2017

Analyte	Mass	Initial Calibration Blank (ug/L)	Continuing Calibration Blank (ug/L)				Preparation Blank (UG/L)			
			C	1	C	2	C	3	C	Batch Number
Antimony										
Arsenic										
Barium	137	0.43	U	0.43	U	0.43	U	0.43	U	
Beryllium										
Cadmium										
Chromium										
Cobalt										
Copper										
Lead										
Manganese	55	0.90	U	0.90	U	0.90	U	0.90	U	
Molybdenum										
Nickel										
Selenium										
Silver										
Thallium										
Vanadium										
Zinc										

METHODS:

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Lancaster Laboratories
Environmental

QUALITY ASSURANCE SUMMARY
FORM 3
BLANKS
SDG No.: SAI27

Method: MS
Run Name: 1728503E05
Calibration Date(s): 10/12/2017

Analyte	Mass	Initial Calibration Blank (ug/L)	Continuing Calibration Blank (ug/L)						Preparation Blank (UG/L)		
			C	1	C	2	C	3	C	Mass	Batch Number
Antimony											
Arsenic											
Barium	137			0.43	U						
Beryllium											
Cadmium											
Chromium											
Cobalt											
Copper											
Lead											
Manganese	55			0.90	U						
Molybdenum											
Nickel											
Selenium											
Silver											
Thallium											
Vanadium											
Zinc											

METHODS:

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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%

Analysis: 0639 ICP/MS SW846 Water

Batch# 17 277 1063 902

Sample ID	Due Date	P	EPA#	SDG#	Initial Volume	Final Volume	Trial
PBW					50.0000	50.0000	1
LCSW					1.0000	1.0000	1
9240341	10/12/17	N8	22102	SAI21-01	50.0000	50.0000	1
9240342	10/12/17	N8	22103	SAI21-02	50.0000	50.0000	1
9240343	10/12/17	N8	22104	SAI21-03	50.0000	50.0000	1
9240344	10/12/17	N8	22105	SAI21-04	50.0000	50.0000	1
9240345U	10/12/17	N8	22106	SAI21-05BKG	50.0000	50.0000	1
9240346R	10/12/17	N8	22106	SAI21-05MS	50.0000	50.0000	1
9240347M	10/12/17	N8	22106	SAI21-05MSD	50.0000	50.0000	1
9240348D	10/12/17	N8	22106	SAI21-05DUP	50.0000	50.0000	1
9240349	10/12/17	N8	22109	SAI21-06*	50.0000	50.0000	1
9240358	10/12/17	N8	09301	SAI24-01	50.0000	50.0000	1
9240359	10/12/17	N8	09302	SAI24-02	50.0000	50.0000	1
9240360	10/12/17	N8	09303	SAI24-03*	50.0000	50.0000	1
9240389	10/12/17	N8	778-1	SAI27-01	50.0000	50.0000	1
9240390	10/12/17	N8	778-2	SAI27-01	50.0000	50.0000	1
9240391	10/12/17	N8	778-3	SAI27-01	50.0000	50.0000	1
9240392	10/12/17	N8	778-4	SAI27-01	50.0000	50.0000	1
9240393	10/12/17	N8	778-5	SAI27-01	50.0000	50.0000	1
9240394	10/12/17	N8	778-6	SAI27-01	50.0000	50.0000	1
9240395	10/12/17	N8	778-9	SAI27-01	50.0000	50.0000	1
9240396	10/12/17	N8	77810	SAI27-01	50.0000	50.0000	1
9240397	10/12/17	N8	77811	SAI27-01	50.0000	50.0000	1
9240398	10/12/17	N8	77812	SAI27-01	50.0000	50.0000	1

Project Name: WE15 Tank Farm 1 NAVSTA Newport
LL Group #: 1846532

General Comments:

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

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

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

Project specific QC samples are not included in this data set

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

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

For dual column analyses, the surrogate (for multi-surrogate tests, at least one surrogate) must be within the acceptance limits on at least one of the two columns.

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

Analysis Specific Comments:**EPA 537 Version 1.1 Modified, Misc. Organics**

Sample #s: 9192985, 9192986, 9192987, 9192988, 9192989, 9192990, 9192991, 9192992, 9192993, 9192994, 9192995, 9192996

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

Batch #: 17250004 (Sample number(s): 9192985-9192996 UNSPK: P192951)

The recovery(ies) for the following analyte(s) in the MS and/or MSD exceeded the acceptance window indicating a positive bias: Perfluorooctanoic acid, Perfluorohexanoic acid, Perfluorobutanesulfonate, Perfluorohexanesulfonate, Perfluoro-octanesulfonate, Perfluorobutanoic Acid, Perfluoropentanoic Acid, Perfluoroheptanoic acid, Perfluoroheptanesulfonate

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

The recovery(ies) for one or more surrogates were below the acceptance window for sample(s) 9192985, 9192986, 9192987, 9192988, 9192989, 9192990, 9192991, 9192992, 9192993, 9192994, 9192995, 9192996, Blank, LCS, MS, MSD

SAMPLE INFORMATION

<u>Client Sample Description</u>	<u>Collection Information</u>	<u>ELLE#</u>
SC38778-01 Grab Water	08/31/2017 16:22	9192985
SC38778-02 Grab Water	08/31/2017 10:56	9192986
SC38778-03 Grab Water	08/31/2017	9192987
SC38778-04 Grab Water	08/31/2017 14:40	9192988
SC38778-05 Grab Water	08/31/2017 09:15	9192989
SC38778-06 Grab Water	08/31/2017 15:05	9192990
SC38778-07 Grab Water	08/31/2017 15:05	9192991
SC38778-09 Grab Water	09/01/2017 09:00	9192992
SC38778-10 Grab Water	09/01/2017 09:07	9192993
SC38778-11 Grab Water	09/01/2017 09:03	9192994
SC38778-12 Grab Water	09/01/2017 10:00	9192995
SC38778-13 Grab Water	09/01/2017 09:07	9192996

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.



Client: SPECTRUM ANALYTICAL

Delivery and Receipt Information

Delivery Method:	<u>Fed Ex</u>	Arrival Timestamp:	<u>09/06/2017 9:50</u>
Number of Packages:	<u>4</u>	Number of Projects:	<u>1</u>

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace $\geq$ 6mm:	N/A
Samples Chilled:	Yes	Total Trip Blank Qty:	0
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Wendy Wakeley (1669) at 13:07 on 09/06/2017

Samples Chilled Details

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

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT42-01	0.4	DT	Wet	Y	Bagged	N
2	DT42-01	2.4	DT	Wet	Y	Bagged	N
3	DT42-01	0.5	DT	Wet	Y	Bagged	N
4	DT42-01	3.6	DT	Wet	Y	Bagged	N

Explanation of Symbols and Abbreviations

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

BMQL	Below Minimum Quantitation Level	mg	milligram(s)
C	degrees Celsius	mL	milliliter(s)
cfu	colony forming units	MPN	Most Probable Number
CP Units	cobalt-chloroplatinate units	N.D.	non-detect
F	degrees Fahrenheit	ng	nanogram(s)
g	gram(s)	NTU	nephelometric turbidity units
IU	International Units	pg/L	picogram/liter
kg	kilogram(s)	RL	Reporting Limit
L	liter(s)	TNTC	Too Numerous To Count
lb.	pound(s)	µg	microgram(s)
m3	cubic meter(s)	µL	microliter(s)
meq	milliequivalents	umhos/cm	micromhos/cm
<	less than		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

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

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

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

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

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

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Data Qualifiers

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

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.

Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Case Narrative/Conformance Summary

CLIENT: Eurofins Spectrum Analytical
SDG: THO38

EPH/Miscellaneous GC

Fraction: Custom TPH by GC with Ranges

Sample #	Client ID	Matrix		DF	Comments
		Liquid	Solid		
9192985	SC38778-01	X		1	
9192986	SC38778-02	X		1	
9192987	SC38778-03	X		1	
9192988	SC38778-04	X		5	
9192989	SC38778-05	X		1	
9192990	SC38778-06	X		1	
9192992	SC38778-09	X		1	
9192993	SC38778-10	X		1	
9192994	SC38778-11	X		1	
9192995	SC38778-12	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:

MS/MSD

Matrix QC may not be included if site-specific QC were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, laboratory spike data (LCS) are provided.

Quality Control Reference List
EPH/Miscellaneous GC

CLIENT: Eurofins Spectrum Analytical
SDG: THO38

Fraction: Custom TPH by GC with Ranges

Analysis	Batch Number	Sample Number	Analysis Date
Custom TPH with Ranges (Water)	172490041A	PBLK41249	09/08/2017 08:41:00
		LCS41249	09/08/2017 09:02:00
		9192985	09/08/2017 11:57:00
		9192986	09/08/2017 12:40:00
		9192987	09/08/2017 13:01:00
		9192988	09/11/2017 18:39:00
		9192989	09/08/2017 13:23:00
		9192990	09/08/2017 13:45:00
		9192992	09/08/2017 14:06:00
		9192993	09/08/2017 14:28:00
		9192994	09/08/2017 14:49:00
		9192995	09/08/2017 15:22:00

Eurofins Lancaster Laboratories
EPH/Miscellaneous GC
Runlog for J093B
Instrument CP23--19879B

Data Directory Path is - \\USLAN-CHROMPERFACTIVE-DATA\CP23\

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
2027	J093B.0001	CONDITIONER		4/3/17 18:12	179299999	1.00
2027	J093B.0002	CONDITIONER		4/3/17 18:34	179299999	1.00
2027	J093B.0003	CONDITIONER		4/3/17 18:56	179299999	1.00
2027	J093B.0004	CONDITIONER		4/3/17 19:18	179299999	1.00
2027	J093B.0005	IBLKX1732F	IBLKXOW	4/3/17 19:39	179299999	5.00
2027	J093B.0006	CAPR11632E	CAPR1AA	4/3/17 20:01	179299999	1.00
2027	J093B.0007	CAPR21632E	CAPR2AA	4/3/17 20:23	179299999	1.00
2027	J093B.0008	CAPR31732A	CAPR3AA	4/3/17 20:45	179299999	1.00
2027	J093B.0009	CAPR41632E	CAPR4AA	4/3/17 21:06	179299999	1.00
2027	J093B.0010	CAPR51632E	CAPR5AA	4/3/17 21:28	179299999	1.00
2027	J093B.0011	TPH_11632C	TPH_1AA	4/3/17 21:50	179299999	1.00
2027	J093B.0012	TPH_21632C	TPH_2AA	4/3/17 22:11	179299999	1.00
2027	J093B.0013	TPH_31732D	TPH_3AA	4/3/17 22:33	179299999	1.00
2027	J093B.0014	TPH_41632C	TPH_4AA	4/3/17 22:55	179299999	1.00
2027	J093B.0015	TPH_51632C	TPH_5AA	4/3/17 23:17	179299999	1.00
2027	J093B.0016	1FUL11632C	1FUL1AA	4/3/17 23:39	179299999	1.00
2027	J093B.0017	1FUL21632C	1FUL2AA	4/4/17 0:00	179299999	1.00
2027	J093B.0018	1FUL31732B	1FUL3AA	4/4/17 0:22	179299999	1.00
2027	J093B.0019	1FUL41732A	1FUL4AA	4/4/17 0:44	179299999	1.00
2027	J093B.0020	1FUL51632C	1FUL5AA	4/4/17 1:05	179299999	1.00
2027	J093B.0021	MOIL11732A	MOIL1AA	4/4/17 1:27	179299999	1.00
2027	J093B.0022	MOIL21732A	MOIL2AA	4/4/17 1:49	179299999	1.00
2027	J093B.0023	MOIL31732B	MOIL3AA	4/4/17 2:11	179299999	1.00
2027	J093B.0024	MOIL41732A	MOIL4AA	4/4/17 2:32	179299999	1.00
2027	J093B.0025	MOIL51732A	MOIL5AA	4/4/17 2:54	179299999	1.00
2027	J093B.0026	MECL2	AA	4/4/17 3:16	179299999	1.00
2027	J093B.0027	TMDLX1732A	TMDLXXQ	4/4/17 3:38	179299999	1.00
2027	J093B.0028	FMDLX1632C	FMDLXIQ	4/4/17 4:00	179299999	1.00
2027	J093B.0029	TPHCX1732A	TPHCXBH	4/4/17 4:21	179299999	1.00
2027	J093B.0030	1FLKX1732A	1FLKXAC	4/4/17 4:43	179299999	1.00
2027	J093B.0031	MOCKX1732A	MOCKXDB	4/4/17 5:05	179299999	1.00

Eurofins Lancaster Laboratories
EPH/Miscellaneous GC
Runlog for J241B
Instrument CP23--19879B

Data Directory Path is - \\USLAN-CHROMPERFECT\\ACTIVE-DATA\\CP23\\

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
11173	J241B.0001	CONDITIONER	AA	8/29/17 10:32		1.00
11173	J241B.0002	CONDITIONER	AA	8/29/17 10:54		1.00
11173	J241B.0003	CONDITIONER	AA	8/29/17 11:16		1.00
11173	J241B.0004	CONDITIONER	AA	8/29/17 11:37		1.00
11173	J241B.0005	CONDITIONER	AA	8/29/17 11:59		1.00
11173	J241B.0006	TPH_31732K	TPH_3ZC	8/29/17 12:21	1724099999	1.00
11173	J241B.0007	CAPR31732B	CAPR3UR	8/29/17 12:43	1724099999	1.00

Eurofins Lancaster Laboratories
EPH/Miscellaneous GC
Runlog for J250B
Instrument CP23--19879B

Data Directory Path is - \\USLAN-CHROMPERFECT\\ACTIVE-DATA\\CP23\\

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
11173	J250B.0001	CONDITIONER		9/7/17 12:44	1724999999	1.00
11173	J250B.0002	CONDITIONER		9/7/17 13:05	1724999999	1.00
11173	J250B.0003	CONDITIONER		9/7/17 13:27	1724999999	1.00
11173	J250B.0004	CONDITIONER		9/7/17 13:49	1724999999	1.00
11173	J250B.0005	TPH_31732K	TPH_3BA	9/7/17 14:11	1724999999	1.00
11173	J250B.0006	BLANKA 9/5/17 RI	PBLK35244	9/7/17 14:32	172440035A	5.00
11173	J250B.0007	LCSA 9/5/17 RI	LCS35244	9/7/17 14:54	172440035A	5.00
11173	J250B.0008	9175485 RI	TAM43	9/7/17 15:16	172440035A	5.00
11173	J250B.0009	9175483DF20	TAM41	9/7/17 15:37	172440035A	100.00
11173	J250B.0010	9175483DF20	TAM41DUP	9/7/17 15:59	172440035A	100.00
11173	J250B.0011	9175483MSDF20	TAM41MS	9/7/17 16:21	172440035A	100.00
11173	J250B.0012	9175484DF20	TAM42	9/7/17 16:43	172440035A	100.00
11173	J250B.0013	TPH_31732K	TPH_3BB	9/7/17 17:05	1724999999	1.00
11173	J250B.0014	9186301 RI	8SF05	9/7/17 17:26	172440055A	1.00
11173	J250B.0015	9186300DF2	8SF04	9/7/17 17:48	172440055A	2.00
11173	J250B.0016	9186308DF5	8SF17	9/7/17 18:10	172440055A	5.00
11173	J250B.0017	9186312DF5	8SF22	9/7/17 18:32	172440055A	5.00
11173	J250B.0018	9186313DF5	8SF23	9/7/17 18:53	172440055A	5.00
11173	J250B.0019	9186314DF10	8SF25	9/7/17 19:15	172440055A	10.00
11173	J250B.0020	9185066DF2	ESC04	9/7/17 19:37	172440042A	2.00
11173	J250B.0021	9185069DF2	ESC07	9/7/17 19:59	172440042A	2.00
11173	J250B.0022	9185067DF10	ESC05	9/7/17 20:20	172440042A	10.00
11173	J250B.0023	TPH_31732K	TPH_3BC	9/7/17 20:42	1724999999	1.00
11173	J250B.0024	RTC44	AA	9/7/17 21:04	1724999999	1.00
11173	J250B.0025	BLANKA 9/5/17	PBLK05248	9/7/17 21:26	172480005A	1.00
11173	J250B.0026	LCSA 9/5/17	LCS05248	9/7/17 21:49	172480005A	1.00
11173	J250B.0027	LCSDA 9/5/17	LCSD05248	9/7/17 22:10	172480005A	1.00
11173	J250B.0028	9188306	O3601	9/7/17 22:32	172480005A	1.00
11173	J250B.0029	9188307	O3602	9/7/17 22:54	172480005A	1.00
11173	J250B.0030	9188308	O3603	9/7/17 23:15	172480005A	1.00
11173	J250B.0031	9188309	O3604	9/7/17 23:37	172480005A	1.00
11173	J250B.0032	9188310	O3605	9/7/17 23:59	172480005A	1.00
11173	J250B.0033	9188311	O3606	9/8/17 0:21	172480005A	1.00
11173	J250B.0034	9181323	W1400	9/8/17 0:43	172480005A	1.00
11173	J250B.0035	TPH_31732K	TPH_3BD	9/8/17 1:04	1724999999	1.00
11173	J250B.0036	9181356	W1615	9/8/17 1:26	172480005A	1.00
11173	J250B.0037	9181363	W1515	9/8/17 1:48	172480005A	1.00
11173	J250B.0038	9184142	HIC16	9/8/17 2:09	172480005A	1.00
11173	J250B.0039	9184154	HIC15	9/8/17 2:31	172480005A	1.00
11173	J250B.0040	9184167	HIC11	9/8/17 2:53	172480005A	1.00
11173	J250B.0041	9184138	HIC12	9/8/17 3:15	172480005A	1.00
11173	J250B.0042	9184206	HIC14	9/8/17 3:36	172480005A	1.00
11173	J250B.0043	9187968	1200-	9/8/17 3:58	172480005A	1.00
11173	J250B.0044	9181316	W1145	9/8/17 4:20	172480005A	1.00
11173	J250B.0045	TPH_31732K	TPH_3BD	9/8/17 4:42	1724999999	1.00
11173	J250B.0046	CAPR31732B	CAPR3VH	9/8/17 5:03	1724999999	1.00
11173	J250B.0047	9186306S	8SF15	9/8/17 5:25	172440056A	1.00
11173	J250B.0048	9186313S	8SF23	9/8/17 5:47	172440056A	1.00
11173	J250B.0049	9186312S	8SF22	9/8/17 6:09	172440056A	1.00
11173	J250B.0050	9186307S	8SF16	9/8/17 6:30	172440056A	1.00
11173	J250B.0051	9186303S	8SF11	9/8/17 6:52	172440056A	1.00
11173	J250B.0052	9186314S	8SF25	9/8/17 7:14	172440056A	1.00
11173	J250B.0053	9186308S	8SF17	9/8/17 7:35	172440056A	1.00
11173	J250B.0054	9186304S	8SF12	9/8/17 7:57	172440056A	1.00
11173	J250B.0055	TPH_31732K	TPH_3BF	9/8/17 8:19	1724999999	1.00
11173	J250B.0056	BLANKA 9/7/17	PBLK41249	9/8/17 8:41	172490041A	1.00

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
11173	J250B.0057	LCSA 9/7/17	LCS41249	9/8/17 9:02	172490041A	1.00
11173	J250B.0058	9192948	O3701	9/8/17 9:24	172490041A	1.00
11173	J250B.0059	9192949	O3702	9/8/17 9:46	172490041A	1.00
11173	J250B.0060	9192950	O3703	9/8/17 10:08	172490041A	1.00
11173	J250B.0061	9192951	O3704	9/8/17 10:30	172490041A	1.00
11173	J250B.0062	9192952MS	O3704	9/8/17 10:51	172490041A	1.00
11173	J250B.0063	9192953MSD	O3704	9/8/17 11:13	172490041A	1.00
11173	J250B.0064	9192954	O3705	9/8/17 11:35	172490041A	1.00
11173	J250B.0065	9192985	O3801	9/8/17 11:57	172490041A	1.00
11173	J250B.0066	TPH_31732K	TPH_3BH	9/8/17 12:18	1724999999	1.00
11173	J250B.0067	9192986	O3802	9/8/17 12:40	172490041A	1.00
11173	J250B.0068	9192987	O3803	9/8/17 13:01	172490041A	1.00
11173	J250B.0069	9192989	O3805	9/8/17 13:23	172490041A	1.00
11173	J250B.0070	9192990	O3806	9/8/17 13:45	172490041A	1.00
11173	J250B.0071	9192992	O3808	9/8/17 14:06	172490041A	1.00
11173	J250B.0072	9192993	O3809	9/8/17 14:28	172490041A	1.00
11173	J250B.0073	9192994	O3810	9/8/17 14:49	172490041A	1.00
11173	J250B.0074	9192995	O3811	9/8/17 15:22	172490041A	1.00
11173	J250B.0075	9192988	O3804	9/8/17 15:43	172490041A	1.00
11173	J250B.0076	TPH_31732K	TPH_3BH	9/8/17 16:05	1724999999	1.00

Eurofins Lancaster Laboratories
EPH/Miscellaneous GC
Runlog for J254B
Instrument CP23--19879B

Data Directory Path is - \\USLAN-CHROMPERF\ACTIVE-DATA\CP23\

Operator	File	LLI#	Client ID	Analysis Date	Batch	Dilution Factor
11173	J254B.0001	CONDITIONER		9/11/17 14:19	1725399999	1.00
11173	J254B.0002	CONDITIONER		9/11/17 14:40	1725399999	1.00
11173	J254B.0003	CONDITIONER		9/11/17 15:02	1725399999	1.00
11173	J254B.0004	CONDITIONER		9/11/17 15:24	1725399999	1.00
11173	J254B.0005	TPH_31732K	TPH_3BS	9/11/17 15:46	1725399999	1.00
11173	J254B.0006	RTC44	AA	9/11/17 16:07	1725399999	1.00
11173	J254B.0007	BLANKA 9/7/17	PBLK16250	9/11/17 16:29	172500016A	1.00
11173	J254B.0008	LCSA 9/7/17	LCS16250	9/11/17 16:51	172500016A	1.00
11173	J254B.0009	LCSDA 9/7/17	LCSD16250	9/11/17 17:12	172500016A	1.00
11173	J254B.0010	9194291	AMP-1	9/11/17 17:34	172500016A	1.00
11173	J254B.0011	9194292	AMP-2	9/11/17 17:56	172500016A	1.00
11173	J254B.0012	9194293	AMP-3	9/11/17 18:18	172500016A	1.00
11173	J254B.0013	9192988DF5	O3804	9/11/17 18:39	172490041A	5.00
11173	J254B.0014	TPH_31732K	TPH_3BT	9/11/17 19:01	1725399999	1.00
11173	J254B.0015	BLANKA 9/8/17	PBLK48251	9/11/17 19:23	172510048A	1.00
11173	J254B.0016	LCSA 9/8/17	LCS48251	9/11/17 19:45	172510048A	1.00
11173	J254B.0017	LCSDA 9/8/17	LCSD48251	9/11/17 20:06	172510048A	1.00
11173	J254B.0018	9195528	8D---	9/11/17 20:28	172510048A	1.00
11173	J254B.0019	9195530	14D--	9/11/17 20:50	172510048A	1.00
11173	J254B.0020	9195538	22---	9/11/17 21:12	172510048A	1.00
11173	J254B.0021	9195540	20---	9/11/17 21:33	172510048A	1.00
11173	J254B.0022	9195542	CAMFB	9/11/17 21:55	172510048A	1.00
11173	J254B.0023	9195544	23---	9/11/17 22:17	172510048A	1.00
11173	J254B.0024	9195546	51AD-	9/11/17 22:38	172510048A	1.00
11173	J254B.0025	9198071	18DR-	9/11/17 23:00	172510048A	1.00
11173	J254B.0026	9198073	FBCM-	9/11/17 23:22	172510048A	1.00
11173	J254B.0027	TPH_31732K	TPH_3BU	9/11/17 23:44	1725399999	1.00
11173	J254B.0028	9198086	65D--	9/12/17 0:06	172510048A	1.00
11173	J254B.0029	9198092	50AD-	9/12/17 0:27	172510048A	1.00
11173	J254B.0030	9195536	30---	9/12/17 0:49	172510048A	1.00
11173	J254B.0031	9198075	10S--	9/12/17 1:11	172510048A	1.00
11173	J254B.0032	9198077	10D-A	9/12/17 1:33	172510048A	1.00
11173	J254B.0033	9198088	36R--	9/12/17 1:55	172510048A	1.00
11173	J254B.0034	9195532	19---	9/12/17 2:16	172510048A	1.00
11173	J254B.0035	9198079	68R--	9/12/17 2:38	172510048A	1.00
11173	J254B.0036	9198090	49R--	9/12/17 3:00	172510048A	1.00
11173	J254B.0037	9198081	38-R-	9/12/17 3:22	172510048A	1.00
11173	J254B.0038	9198083	98---	9/12/17 3:44	172510048A	1.00
11173	J254B.0039	TPH_31732K	TPH_3BU	9/12/17 4:05	1725399999	1.00

Instrument Name: LM24960

Data File Name	Sample ID	Batch No	Analysis Date/Time
17AUG18-09.wiff	MDL	MODICAL	8/18/2017 8:26:33 AM
17AUG18-10.wiff	CAL1	MODICAL	8/18/2017 8:47:06 AM
17AUG18-11.wiff	CAL2	MODICAL	8/18/2017 9:07:39 AM
17AUG18-12.wiff	CAL3	MODICAL	8/18/2017 9:28:09 AM
17AUG18-13.wiff	CAL4	MODICAL	8/18/2017 9:48:39 AM
17AUG18-14.wiff	CAL5	MODICAL	8/18/2017 10:09:12 AM
17AUG18-15.wiff	CAL6	MODICAL	8/18/2017 10:29:45 AM
17AUG18-21.wiff	CAL7	MODICAL	8/18/2017 12:33:04 PM
17AUG18-22.wiff	Instrument Blank	MODICAL	8/18/2017 12:53:37 PM
17AUG18-24.wiff	ICV	MODICAL	8/18/2017 1:34:43 PM
17AUG18-25.wiff	L+B CAL3	MODICAL	8/18/2017 1:55:16 PM
17AUG18-26.wiff	CCV1_CAL3	MODICAL	8/18/2017 2:15:49 PM
17SEP11-01.wiff	Solvent	MODICAL	9/11/2017 2:22:16 PM
17SEP11-02.wiff	Solvent	MODICAL	9/11/2017 2:42:46 PM
17SEP11-03.wiff	Solvent	MODICAL	9/11/2017 3:03:19 PM
17SEP11-04.wiff	Solvent	MODICAL	9/11/2017 3:23:49 PM
17SEP11-05.wiff	CCV1_CAL1	MODICAL	9/11/2017 3:44:22 PM
17SEP11-06.wiff	Instrument Blank	MODICAL	9/11/2017 4:04:55 PM
17SEP11-07.wiff	LCS249009	17249009	9/11/2017 4:25:28 PM
17SEP11-08.wiff	CCV2_CAL4	N/A	9/11/2017 4:46:01 PM
17SEP11-09.wiff	Spike Test	MODICAL	9/11/2017 5:06:31 PM
17SEP11-10.wiff	Solvent	MODICAL	9/11/2017 5:27:05 PM
17SEP11-11.wiff	9185281BKGDL	17246002	9/11/2017 5:47:37 PM
17SEP11-12.wiff	9188307	17246002	9/11/2017 6:08:11 PM
17SEP11-13.wiff	9197704DL	17252002	9/11/2017 6:28:45 PM
17SEP11-14.wiff	CCV3_CAL4	N/A	9/11/2017 6:49:16 PM
17SEP11-15.wiff	solvent	N/A	9/11/2017 7:09:49 PM
17SEP11-16.wiff	LCS249009	17249009	9/11/2017 7:30:23 PM
17SEP11-17.wiff	LCS250005	17250005	9/11/2017 7:50:56 PM
17SEP11-18.wiff	9174849DL	17250005	9/11/2017 8:11:29 PM
17SEP11-19.wiff	9188258	17250005	9/11/2017 8:32:02 PM
17SEP11-20.wiff	9190110	17250005	9/11/2017 8:52:35 PM
17SEP11-21.wiff	9190111	17250005	9/11/2017 9:13:08 PM
17SEP11-22.wiff	9190115	17250005	9/11/2017 9:33:41 PM
17SEP11-23.wiff	9190116	17250005	9/11/2017 9:54:14 PM
17SEP11-24.wiff	9190117	17250005	9/11/2017 10:14:47 PM
17SEP11-25.wiff	CCV4_CAL5	N/A	9/11/2017 10:35:20 PM
17SEP11-26.wiff	solvent	N/A	9/11/2017 10:55:53 PM
17SEP11-27.wiff	LCS253001	17253001	9/11/2017 11:16:26 PM
17SEP11-28.wiff	9199894MS	17253001	9/11/2017 11:36:59 PM
17SEP11-29.wiff	9199895MSD	17253001	9/11/2017 11:57:32 PM
17SEP11-30.wiff	solvent	N/A	9/12/2017 12:18:05 AM
17SEP11-31.wiff	BLK253001	17253001	9/12/2017 12:38:38 AM
17SEP11-32.wiff	9192587	17253001	9/12/2017 12:59:11 AM
17SEP11-33.wiff	9192654	17253001	9/12/2017 1:19:44 AM
17SEP11-34.wiff	9195177	17253001	9/12/2017 1:40:17 AM
17SEP11-35.wiff	9195178	17253001	9/12/2017 2:00:47 AM
17SEP11-36.wiff	9195179	17253001	9/12/2017 2:21:17 AM
17SEP11-37.wiff	9195232	17253001	9/12/2017 2:41:47 AM
17SEP11-38.wiff	CCV5_CAL3	N/A	9/12/2017 3:02:17 AM
17SEP11-39.wiff	solvent	N/A	9/12/2017 3:22:47 AM
17SEP11-40.wiff	9195233	17253001	9/12/2017 3:43:17 AM
17SEP11-41.wiff	9199779	17253001	9/12/2017 4:03:50 AM
17SEP11-42.wiff	9199780	17253001	9/12/2017 4:24:23 AM
17SEP11-43.wiff	9199889	17253001	9/12/2017 4:44:56 AM
17SEP11-44.wiff	9199890	17253001	9/12/2017 5:05:26 AM
17SEP11-45.wiff	9199891	17253001	9/12/2017 5:25:59 AM

Instrument Name: LM24960

17SEP11-46.wiff	9199892	17253001	9/12/2017 5:46:32 AM
17SEP11-47.wiff	9199893BKG	17253001	9/12/2017 6:07:05 AM
17SEP11-48.wiff	9199897	17253001	9/12/2017 6:27:38 AM
17SEP11-49.wiff	CCV6_CAL4	N/A	9/12/2017 6:48:11 AM
17SEP11-50.wiff	solvent	N/A	9/12/2017 7:08:41 AM
17SEP11-51.wiff	LCS250004	17250004	9/12/2017 7:29:14 AM
17SEP11-52.wiff	9192952MS	17250004	9/12/2017 7:49:47 AM
17SEP11-53.wiff	9192953MSD	17250004	9/12/2017 8:10:20 AM
17SEP11-54.wiff	solvent	N/A	9/12/2017 8:30:50 AM
17SEP11-55.wiff	BLK250004	17250004	9/12/2017 8:51:23 AM
17SEP11-56.wiff	9192948	17250004	9/12/2017 9:11:53 AM
17SEP11-57.wiff	9192949	17250004	9/12/2017 9:32:29 AM
17SEP11-58.wiff	9192950	17250004	9/12/2017 9:52:59 AM
17SEP11-59.wiff	9192951BKG	17250004	9/12/2017 10:13:32 AM
17SEP11-60.wiff	9192954	17250004	9/12/2017 10:34:05 AM
17SEP11-61.wiff	9192955	17250004	9/12/2017 10:54:38 AM
17SEP11-62.wiff	CCV7_CAL4	N/A	9/12/2017 11:15:11 AM
17SEP11-63.wiff	solvent	N/A	9/12/2017 11:35:44 AM
17SEP11-64.wiff	9192985	17250004	9/12/2017 11:56:17 AM
17SEP11-65.wiff	9192986	17250004	9/12/2017 12:16:51 PM
17SEP11-66.wiff	9192987	17250004	9/12/2017 12:37:23 PM
17SEP11-67.wiff	9192988	17250004	9/12/2017 12:57:56 PM
17SEP11-68.wiff	9192989	17250004	9/12/2017 1:18:29 PM
17SEP11-69.wiff	9192990	17250004	9/12/2017 1:39:02 PM
17SEP11-70.wiff	9192991	17250004	9/12/2017 1:59:33 PM
17SEP11-71.wiff	9192992	17250004	9/12/2017 2:20:06 PM
17SEP11-72.wiff	9192993	17250004	9/12/2017 2:40:39 PM
17SEP11-73.wiff	9192994	17250004	9/12/2017 3:01:09 PM
17SEP11-74.wiff	CCV8_CAL4	N/A	9/12/2017 3:21:39 PM
17SEP11-75.wiff	solvent	N/A	9/12/2017 3:42:12 PM
17SEP11-76.wiff	9192995	17250004	9/12/2017 4:02:45 PM
17SEP11-77.wiff	9192996	17250004	9/12/2017 4:23:18 PM
17SEP11-78.wiff	CCV9_CAL4	N/A	9/12/2017 4:43:48 PM
17SEP11-79.wiff	solvent	N/A	9/12/2017 5:04:21 PM

Ammonium Acetate: 782409081733A
Methanol: DS096-US

Instrument Name: LM24960

Data File Name	Sample ID	Batch No	Analysis Date/Time
17AUG18-09.wiff	MDL	MODICAL	8/18/2017 8:26:33 AM
17AUG18-10.wiff	CAL1	MODICAL	8/18/2017 8:47:06 AM
17AUG18-11.wiff	CAL2	MODICAL	8/18/2017 9:07:39 AM
17AUG18-12.wiff	CAL3	MODICAL	8/18/2017 9:28:09 AM
17AUG18-13.wiff	CAL4	MODICAL	8/18/2017 9:48:39 AM
17AUG18-14.wiff	CAL5	MODICAL	8/18/2017 10:09:12 AM
17AUG18-15.wiff	CAL6	MODICAL	8/18/2017 10:29:45 AM
17AUG18-21.wiff	CAL7	MODICAL	8/18/2017 12:33:04 PM
17AUG18-22.wiff	Instrument Blank	MODICAL	8/18/2017 12:53:37 PM
17AUG18-24.wiff	ICV	MODICAL	8/18/2017 1:34:43 PM
17AUG18-25.wiff	L+B CAL3	MODICAL	8/18/2017 1:55:16 PM
17AUG18-26.wiff	CCV1_CAL3	MODICAL	8/18/2017 2:15:49 PM
17SEP12-01.wiff	CCV1_CAL1	MODICAL	9/12/2017 5:27:36 PM
17SEP12-02.wiff	Instrument Blank	MODICAL	9/12/2017 5:48:09 PM
17SEP12-03.wiff	CCV1_CAL1	MODICAL	9/12/2017 5:55:37 PM
17SEP12-04.wiff	Instrument Blank	MODICAL	9/12/2017 6:16:10 PM
17SEP12-05.wiff	CCV1_CAL1	MODICAL	9/12/2017 6:19:33 PM
17SEP12-06.wiff	Instrument Blank	MODICAL	9/12/2017 6:40:08 PM
17SEP12-07.wiff	CCV2_CAL4	MODICAL	9/12/2017 7:00:41 PM
17SEP12-08.wiff	Solvent	MODICAL	9/12/2017 7:21:14 PM
17SEP12-09.wiff	9192951BKG	17250004	9/12/2017 7:41:47 PM
17SEP12-10.wiff	9192992DL	17250004	9/12/2017 8:02:23 PM
17SEP12-11.wiff	CCV3_CAL4	N/A	9/12/2017 8:22:56 PM
17SEP12-12.wiff	solvent	N/A	9/12/2017 8:43:29 PM
17SEP12-13.wiff	LCS250006	17250006	9/12/2017 9:04:02 PM
17SEP12-14.wiff	9179479MS	17250006	9/12/2017 9:24:35 PM
17SEP12-15.wiff	9179480MSD	17250006	9/12/2017 9:45:05 PM
17SEP12-16.wiff	solvent	N/A	9/12/2017 10:05:35 PM
17SEP12-17.wiff	BLK250006	17250006	9/12/2017 10:26:08 PM
17SEP12-18.wiff	9179466	17250006	9/12/2017 10:46:41 PM
17SEP12-19.wiff	9179467	17250006	9/12/2017 11:07:14 PM
17SEP12-20.wiff	9179468	17250006	9/12/2017 11:27:44 PM
17SEP12-21.wiff	9179474	17250006	9/12/2017 11:48:17 PM
17SEP12-22.wiff	9179475	17250006	9/13/2017 12:08:50 AM
17SEP12-23.wiff	9179478BKG	17250006	9/13/2017 12:29:20 AM
17SEP12-24.wiff	CCV4_CAL5	N/A	9/13/2017 12:49:53 AM
17SEP12-25.wiff	solvent	N/A	9/13/2017 1:10:26 AM
17SEP12-26.wiff	9179482	17250006	9/13/2017 1:30:59 AM
17SEP12-27.wiff	9179483	17250006	9/13/2017 1:51:35 AM
17SEP12-28.wiff	9179484	17250006	9/13/2017 2:12:11 AM
17SEP12-29.wiff	9179485	17250006	9/13/2017 2:32:44 AM
17SEP12-30.wiff	LCS253004	17253004	9/13/2017 2:53:20 AM
17SEP12-31.wiff	LCSDA	17253004	9/13/2017 3:13:53 AM
17SEP12-32.wiff	9179488MS	17253004	9/13/2017 3:34:26 AM
17SEP12-33.wiff	solvent	N/A	9/13/2017 3:54:59 AM
17SEP12-34.wiff	BLK253004	17253004	9/13/2017 4:15:32 AM
17SEP12-35.wiff	9179488BKG	17253004	9/13/2017 4:36:05 AM
17SEP12-36.wiff	9179489	17253004	9/13/2017 4:56:38 AM
17SEP12-37.wiff	CCV5_CAL3	N/A	9/13/2017 5:17:08 AM
17SEP12-38.wiff	solvent	N/A	9/13/2017 5:37:41 AM
17SEP12-39.wiff	9179490	17253004	9/13/2017 5:58:14 AM
17SEP12-40.wiff	9179491	17253004	9/13/2017 6:18:47 AM
17SEP12-41.wiff	9179492	17253004	9/13/2017 6:39:20 AM
17SEP12-42.wiff	9179493	17253004	9/13/2017 6:59:53 AM
17SEP12-43.wiff	9179494	17253004	9/13/2017 7:20:27 AM
17SEP12-44.wiff	9179495	17253004	9/13/2017 7:40:59 AM
17SEP12-45.wiff	9179496	17253004	9/13/2017 8:01:32 AM

Instrument Name: LM24960

17SEP12-46.wiff	9179497	17253004	9/13/2017 8:22:05 AM
17SEP12-47.wiff	9179498	17253004	9/13/2017 8:42:38 AM
17SEP12-48.wiff	9179499	17253004	9/13/2017 9:03:12 AM
17SEP12-49.wiff	CCV6_CAL4	N/A	9/13/2017 9:23:45 AM
17SEP12-50.wiff	solvent	N/A	9/13/2017 9:44:18 AM
17SEP12-51.wiff	9179500	17253004	9/13/2017 10:04:51 AM
17SEP12-52.wiff	9179501	17253004	9/13/2017 10:25:24 AM
17SEP12-53.wiff	Solvent	MODICAL	9/13/2017 10:45:54 AM
17SEP12-54.wiff	Solvent	MODICAL	9/13/2017 11:06:27 AM
17SEP12-55.wiff	BLK235009	17235009	9/13/2017 11:27:00 AM
17SEP12-56.wiff	Spike 1	17235009	9/13/2017 11:47:30 AM
17SEP12-57.wiff	Spike 2	17235009	9/13/2017 12:08:00 PM
17SEP12-58.wiff	Spike 3	17235009	9/13/2017 12:28:30 PM
17SEP12-59.wiff	Spike 4	17235009	9/13/2017 12:49:03 PM
17SEP12-60.wiff	Spike 5	17235009	9/13/2017 1:09:36 PM
17SEP12-61.wiff	CCV7_CAL5	N/A	9/13/2017 1:30:09 PM
17SEP12-62.wiff	solvent	N/A	9/13/2017 1:50:42 PM

Ammonium Acetate: 782409121733A
Methanol: DS096-US

APPROVED

By DMW at 8:13 pm, 9/14/17

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REVIEWED

By uild at 10:38 am, 9/15/17

Quality Control Summary

Client Name: Eurofins Spectrum Analytical
Reported: 09/19/2017 07:11

Group Number: 1846532

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

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	DL**	LOD	LOQ
	mg/l	mg/l	mg/l	mg/l
Batch number: 172490041A	Sample number(s): 9192985-9192990, 9192992-9192995			
C8-C44	0.10 U	0.050	0.10	0.20
Total TPH	0.10 U	0.050	0.10	0.20
	ng/l	ng/l	ng/l	ng/l
Batch number: 17250004	Sample number(s): 9192985-9192996			
Perfluorobutanesulfonate	3 U	0.8	3	3
Perfluorobutanoic Acid	10 U	3	10	10
Perfluorodecanesulfonate	6 U	2	6	6
Perfluorodecanoic acid	2 U	0.5	2	2
Perfluorododecanoic acid	2 U	0.5	2	2
Perfluoroheptanesulfonate	6 U	2	6	6
Perfluoroheptanoic acid	2 U	0.5	2	2
Perfluorohexanesulfonate	3 U	1	3	3
Perfluorohexanoic acid	2 U	0.6	2	2
Perfluorononanoic acid	2 U	0.6	2	2
Perfluoro-octanesulfonate	6 U	2	6	6
Perfluorooctanoic acid	2 U	0.6	2	2
Perfluoropentanoic Acid	2 U	0.5	2	2
Perfluorotetradecanoic acid	2 U	0.5	2	2
Perfluorotridecanoic acid	2 U	0.5	2	2
Perfluoroundecanoic acid	3 U	1	3	3
PFOSA	9 U	3	9	9

LCS/LCSD

Analysis Name	LCS Spike Added	LCS Conc	LCSD Spike Added	LCSD Conc	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
	mg/l	mg/l	mg/l	mg/l					
Batch number: 172490041A	Sample number(s): 9192985-9192990, 9192992-9192995								
Total TPH	0.800	0.642			80		36-132		
	ng/l	ng/l	ng/l	ng/l					
Batch number: 17250004	Sample number(s): 9192985-9192996								
Perfluorobutanesulfonate	12.03	12.04			100		70-130		
Perfluorobutanoic Acid	13.6	12.63			93		70-130		
Perfluorodecanesulfonate	13.1	10.88			83		70-130		

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

(3) The surrogate spike amount was less than the LOD.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Eurofins Spectrum Analytical
Reported: 09/19/2017 07:11

Group Number: 1846532

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ng/l	LCS Conc ng/l	LCSD Spike Added ng/l	LCSD Conc ng/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Perfluorodecanoic acid	13.6	11.98			88		70-130		
Perfluorododecanoic acid	13.6	12.13			89		70-130		
Perfluoroheptanesulfonate	12.49	13.02			104		70-130		
Perfluoroheptanoic acid	13.6	13.53			100		70-130		
Perfluorohexanesulfonate	12.86	12.79			99		70-130		
Perfluorohexanoic acid	13.6	12.39			91		70-130		
Perfluorononanoic acid	13.6	14.84			109		70-130		
Perfluoro-octanesulfonate	13	13.2			102		70-130		
Perfluorooctanoic acid	13.6	11.16			82		70-130		
Perfluoropentanoic Acid	13.6	12.25			90		70-130		
Perfluorotetradecanoic acid	13.6	11.75			86		70-130		
Perfluorotridecanoic acid	13.6	13.65			100		70-130		
Perfluoroundecanoic acid	13.6	13.1			96		70-130		
PFOSA	13.6	10.67			78		70-130		

MS/MSD

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc mg/l	MS Spike Added mg/l	MS Conc mg/l	MSD Spike Added mg/l	MSD Conc mg/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
sample not in SDG										
Batch number: 172490041A	Sample number(s): 9192985-9192990, 9192992-9192995 UNSPK: P192951									
Total TPH	0.129	0.814	0.791	0.817	0.832	81	86	36-132	5	30
	ng/l	ng/l	ng/l	ng/l	ng/l					
Batch number: 17250004	Sample number(s): 9192985-9192996 UNSPK: P192951									
Perfluorobutanesulfonate	8.74	12.03	29.93	12	29.74	176*	175*	70-130	1	30
Perfluorobutanoic Acid	5.80	13.6	25.83	13.57	23.59	147*	131*	70-130	9	30
Perfluorodecanesulfonate	6	U	13.1	13.46	13.07	103	71	70-130	37*	30
Perfluorodecanoic acid	2	U	13.6	14.9	13.57	110	93	70-130	17	30
Perfluorododecanoic acid	2	U	13.6	13.19	13.57	97	89	70-130	9	30
Perfluoroheptanesulfonate	4.03	12.49	24.28	12.46	19.47	162*	124	70-130	22	30
Perfluoroheptanoic acid	3.24	13.6	21.14	13.57	19.74	132*	122	70-130	7	30
Perfluorohexanesulfonate	80.74	12.86	188.7	12.83	170.3	840 (2)	698 (2)	70-130	10	30
Perfluorohexanoic acid	20.28	13.6	52.45	13.57	50.38	237*	222*	70-130	4	30
Perfluorononanoic acid	2	U	13.6	14.85	13.57	109	95	70-130	14	30
Perfluoro-octanesulfonate	254.24	13	595.66	12.97	494.46	2626 (2)	1852 (2)	70-130	19	30
Perfluorooctanoic acid	7.95	13.6	30.32	13.57	26.96	164*	140*	70-130	12	30
Perfluoropentanoic Acid	7.40	13.6	27.74	13.57	28.5	150*	155*	70-130	3	30
Perfluorotetradecanoic acid	2	U	13.6	11.82	13.57	87	85	70-130	3	30
Perfluorotridecanoic acid	2	U	13.6	13.84	13.57	102	95	70-130	7	30
Perfluoroundecanoic acid	3	U	13.6	14.72	13.57	108	98	70-130	10	30

*- Outside of specification

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(2) The unspiked result was more than four times the spike added.

(3) The surrogate spike amount was less than the LOD.

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Quality Control Summary

Client Name: Eurofins Spectrum Analytical
Reported: 09/19/2017 07:11

Group Number: 1846532

MS/MSD (continued)

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Analysis Name	Unspiked Conc ng/l	MS Spike Added ng/l	MS Conc ng/l	MSD Spike Added ng/l	MSD Conc ng/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max	
PFOSA	9	U	13.6	13.7	13.57	13.22	101	97	70-130	4	30

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: Custom TPH with Ranges (Water)
Batch number: 172490041A

	Chlorobenzene %Rec LOD (mg/l)	Orthoterphenyl %Rec LOD (mg/l)
9192985	86 0.0012	95 0.0012
9192986	84 0.0012	101 0.0012
9192987	84 0.0012	99 0.0012
9192988	87 0.0061	78 0.0061
9192989	112 0.0014	93 0.0014
9192990	110 0.0013	91 0.0013
9192992	86 0.0013	90 0.0013
9192993	90 0.0012	86 0.0012
9192994	84 0.0012	93 0.0012
9192995	81 0.0012	90 0.0012
Blank	77 0.0012	90 0.0012
LCS	88 0.0012	93 0.0012
MS	95 0.0012	86 0.0012
MSD	97 0.0012	91 0.0012
Limits:	35-135	56-125

Analysis Name: PFAS in Water by LC/MS/MS
Batch number: 17250004

	13C4-PFBA %Rec LOD (ng/l)	13C5-PFPeA %Rec LOD (ng/l)	13C3-PFBS %Rec LOD (ng/l)	13C5-PFHxA %Rec LOD (ng/l)	13C3-PFHxS %Rec LOD (ng/l)	13C4-PFHpA %Rec LOD (ng/l)
9192985	72 10	70 3	69 10	75 2	62 10	72 2
9192986	73 10	89 3	98 10	69 2	57 10	76 2
9192987	72 10	91 3	97 10	60 2	55 10	64 2
9192988	71 10	93 3	103 10	61 2	61 10	67 2
9192989	71 10	92 3	98 10	76 2	77 10	81 2
9192990	75 10	90 3	88 10	81 2	72 10	77 2

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Quality Control Summary

Client Name: Eurofins Spectrum Analytical
Reported: 09/19/2017 07:11

Group Number: 1846532

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: PFAS in Water by LC/MS/MS
Batch number: 17250004

	13C4-PFBA		13C5-PFPeA		13C3-PFBS		13C5-PFHxA		13C3-PFHxS		13C4-PFHpA	
	%Rec	LOD	%Rec	LOD	%Rec	LOD	%Rec	LOD	%Rec	LOD	%Rec	LOD
	(ng/l)		(ng/l)		(ng/l)		(ng/l)		(ng/l)		(ng/l)	
9192991	72	10	77	3	78	10	79	2	71	10	79	2
9192992	68	10	95	3	114	10	49	2	45	10	54	2
9192993	69	10	91	3	88	10	75	2	60	10	73	2
9192994	70	10	86	3	88	10	84	2	76	10	83	2
9192995	76	10	81	3	81	10	74	2	71	10	73	2
9192996	75	10	81	3	80	10	79	2	73	10	71	2
Blank	74	10	75	3	72	10	77	2	67	10	71	2
LCS	72	10	75	3	66	10	78	2	68	10	75	2
MS	63	10	71	3	72	10	69	2	61	10	64	2
MSD	73	10	79	3	79	10	82	2	76	10	77	2

Limits: 33-123 39-135 26-148 31-128 34-126 35-126

	13C8-PFOA		13C8-PFOS		13C9-PFNA		13C6-PFDA		13C7-PFUnDA		13C2-PFDoDA	
	%Rec	LOD	%Rec	LOD	%Rec	LOD	%Rec	LOD	%Rec	LOD	%Rec	LOD
	(ng/l)		(ng/l)		(ng/l)		(ng/l)		(ng/l)		(ng/l)	
9192985	73	2	68	10	69	2	73	2	63	4	56	5
9192986	73	2	76	10	90	2	77	2	62	4	47	5
9192987	66	2	78	10	86	2	68	2	56	4	42	5
9192988	69	2	72	10	70	2	73	2	55	4	45	5
9192989	77	2	70	10	70	2	76	2	62	4	54	5
9192990	79	2	71	10	66	2	77	2	66	4	51	5
9192991	81	2	76	10	64	2	76	2	56	4	47	5
9192992	56	2	68	10	85	2	70	2	47	4	38	5
9192993	69	2	67	10	64	2	64	2	54	4	44	5
9192994	77	2	72	10	61	2	82	2	65	4	56	5
9192995	81	2	69	10	79	2	73	2	59	4	49	5
9192996	78	2	70	10	65	2	76	2	57	4	50	5
Blank	74	2	59	10	58	2	72	2	66	4	58	5
LCS	83	2	66	10	67	2	73	2	61	4	55	5
MS	68	2	57	10	56	2	62	2	52	4	48	5
MSD	81	2	86	10	80	2	81	2	63	4	56	5

Limits: 43-112 43-115 32-134 40-115 30-128 28-127

	13C2-PFTeDA		13C8-PFOA	
	%Rec	LOD	%Rec	LOD
	(ng/l)		(ng/l)	
9192985	45	5	60*	9
9192986	40	5	28*	9

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Quality Control Summary

Client Name: Eurofins Spectrum Analytical
Reported: 09/19/2017 07:11

Group Number: 1846532

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report. For dual column analyses, the surrogate (at least one surrogate for multi-surrogate tests) must be within the acceptance limits on at least one of the two columns.

Analysis Name: PFAS in Water by LC/MS/MS
Batch number: 17250004

	13C2-PFTeDA		13C8-PFOSA	
	%Rec	LOD	%Rec	LOD
	(ng/l)		(ng/l)	
9192987	35	5	27*	9
9192988	40	5	38*	9
9192989	49	5	9*	9
9192990	50	5	37*	9
9192991	42	5	14*	9
9192992	32	5	24*	9
9192993	43	5	37*	9
9192994	55	5	29*	9
9192995	42	5	54*	9
9192996	45	5	59*	9
Blank	59	5	49*	9
LCS	52	5	33*	9
MS	47	5	11*	9
MSD	52	5	19*	9
Limits:	26-119		70-130	

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Organic Extraction Batchlog

Assigned to: 25478 Danielle McCully

Reviewed by: DN 10262Start Date: 9/10/17Start time: 8:15**17250004**Tech 1: DDM25478

Tech 2: _____

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

Dept: 33 Prep Analysis: 14091 PFAS Water Prep											
Port#	QC	Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	MS Sol.	Amt (mL)	FV (uL)	IS amt (uL)	BC	Comments
7	9192952MS	O3704	100.00	SSMODX1733Z	.025	MSMODX1733Z	.04	1mL	20	201a	
8	9192953MSD	O3704	100.21	SSMODX1733Z	.025	MSMODX1733Z	.04	1	1	201a	
1	BLANKA	BLK250004	100	SSMODX1733Z	.025	_____	_____	1	1	Z	
2	LCSA	LCS250004	100	SSMODX1733Z	.025	MSMODX1733Z	.04	1	1		

Spike Solutions:

Witness: PJK9213Instrument: LM24960

PFAS 537 Native Spike

PFAS 537 Modified Extraction/Surrogate Spik

Sequence: 17AUG18MOD - 17SEP11/17SEP12

Port#	Sample #	Sample Code	Amt (g)	SS/IS Sol.	Amt (mL)	FV (uL)	IS Amt (uL)	BC	Comments	Analyses	Due Date	Prio
1038	1 9192948	O370	99.85	SSMODX1733Z	.025	1mL	20	201a	brown w/ sediment, centrifuged, strong odor	10954	09/18/2017	N
Page 15	2 9192949	O370	100.11	SSMODX1733Z	.025	1	1	201a		10954	09/18/2017	N
3320	3 9192950	O370	100.39	SSMODX1733Z	.025	1	1	201a	brown w/ sediment, centrifuged, strong odor	10954	09/18/2017	N
3320	4 9192951	BKG O370	100.06	SSMODX1733Z	.025	1	1	201a	TBZE	10954	09/18/2017	N
3320	5 9192954	O370	99.53	SSMODX1733Z	.025	1	1	201a	brown w/ sediment, centrifuged, strong odor	10954	09/18/2017	N
3320	6 9192955	O370	100.15	SSMODX1733Z	.025	1	1	201a		10954	09/18/2017	N
3320	7 9192985	O380	99.86	SSMODX1733Z	.025	1	1	201a		10954	09/18/2017	N
12	8 9192986	O380	99.94	SSMODX1733Z	.025	1	1	201a	brown w/ sediment, centrifuged, strong odor	10954	09/18/2017	N
1	9 9192987	O380	99.81	SSMODX1733Z	.025	1	1	201a		10954	09/18/2017	N
2	10 9192988	O380	99.93	SSMODX1733Z	.025	1	1	201a	dark brown w/ sediment, centrifuged, strong odor	10954	09/18/2017	N
3	11 9192989	O380	100.32	SSMODX1733Z	.025	1	1	201a		10954	09/18/2017	N
4	12 9192990	O380	99.53	SSMODX1733Z	.025	1	1	201a		10954	09/18/2017	N
5	13 9192991	O380	100.39	SSMODX1733Z	.025	1	1	201a		10954	09/18/2017	N

③DDM25478 9/10/17 *MSMODX1733Z DDM25478 9/10/17

9/11/17 PJK9213

Balance #	<u>B629704122</u>	SPE Manifold	<u>1,2</u>	N-evap	<u>C</u>

17250004

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.



6	14	9192992	O380	100.24	SSMODX1733Z	.025	1mL	2c	201a	D10	10954	09/18/2017	N
7	15	9192993	O380	100.27	SSMODX1733Z	.025	↓	↓	201a	brown w/ sediment, centrifuged	10954	09/18/2017	N
8	16	9192994	O381	99.57	SSMODX1733Z	.025	↓	↓	201a		10954	09/18/2017	N
9	17	9192995	O381	100.46	SSMODX1733Z	.025	↓	↓	201a		10954	09/18/2017	N
10	18	9192996	O381	99.62	SSMODX1733Z	.025	↓	↓	201a		10954	09/18/2017	N

*9192987 - 2996 on manifold 2 DDM25478 9/10/17

Balance #	B629764122	SPE Manifold	1,2	N-evap	C

17250004

DF = Dilution Factor FV = Final Volume

Documented temps are NIST corrected.



Reagents used During Extraction

Reagent/Material/Equip	Lot No./ID No.
96% MeOH:H2O	
Acetate Buffer	2707948
Acetonitrile	
Auto-pipette (dilutions)	
Auto-pipette (extract vialin)	P1000-1
Internal Standard	IS1725133A
Methanol	DS096-US
Milli-Q H2O	House P223
NH4OH:H2O	921309081733A
NH4OH:MeOH	921309081733B
SPE Cartridge #1	6370231-02
SPE Cartridge #2	
Sodium Thiosulfate	
Syringe (IS)	IS1
Syringe (MS)	PPAS10
Syringe (SS)	PPAS9
Trizma	SLBT4699

DIC → 877 ul MeOH (DS096-US) added to 100 ul sample + 22.5 ul surrogate SSMD41733AB
→ 200 ul H₂O added to 10 ml internal IS1725133A

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	SC38778							N6247016D9008	WE15	TETRA TECH, INC.	TF1-RB-090117	Water for QC samples	Equipment blank	1-Sep-17	537	Perfluoroalkyl Compounds
MID_ATLANTIC	NEWPORT_NS	SC38778	SITE 00007	SITE 00007	TF1-GT-128	Monitoring well	388562.35	184167.95	N6247016D9008	WE15	TETRA TECH, INC.	TF1-GT-128-083117	Ground water	Normal (Regular)	31-Aug-17	537	Perfluoroalkyl Compounds
MID_ATLANTIC	NEWPORT_NS	SC38778	SITE 00007	SITE 00007	TF1-GT-112	Monitoring well	387695.12	184119.26	N6247016D9008	WE15	TETRA TECH, INC.	TF1-GT-112-090117	Ground water	Normal (Regular)	1-Sep-17	537	Perfluoroalkyl Compounds
MID_ATLANTIC	NEWPORT_NS	SC38778	SITE 00007	SITE 00007	TF1-GT-131	Monitoring well	388457.93	184616	N6247016D9008	WE15	TETRA TECH, INC.	TF1-GT-131-090117	Ground water	Normal (Regular)	1-Sep-17	537	Perfluoroalkyl Compounds
MID_ATLANTIC	NEWPORT_NS	SC38778	SITE 00007	SITE 00007	TF1-GT-120	Monitoring well	388616.36	184735.98	N6247016D9008	WE15	TETRA TECH, INC.	TF1-GT-120-090117	Ground water	Normal (Regular)	1-Sep-17	537	Perfluoroalkyl Compounds
MID_ATLANTIC	NEWPORT_NS	SC38778	SITE 00007	SITE 00007	TF1-GT-110	Monitoring well	387850	183757.49	N6247016D9008	WE15	TETRA TECH, INC.	TF1-GT-110-083117	Ground water	Normal (Regular)	31-Aug-17	537	Perfluoroalkyl Compounds
MID_ATLANTIC	NEWPORT_NS	SC38778	SITE 00007	SITE 00007	TF1-GT-110	Monitoring well	387850	183757.49	N6247016D9008	WE15	TETRA TECH, INC.	TF1-GT-110-083117-D	Ground water	Field duplicate	31-Aug-17	537	Perfluoroalkyl Compounds
MID_ATLANTIC	NEWPORT_NS	SC38778							N6247016D9008	WE15	TETRA TECH, INC.	TF1-FRB-090117	Water for QC samples	Field Reagent Blank	1-Sep-17	537	Perfluoroalkyl Compounds
MID_ATLANTIC	NEWPORT_NS	SC38778	SITE 00007	SITE 00007	TF1-GZ-117	Monitoring well	388850.59	184867.91	N6247016D9008	WE15	TETRA TECH, INC.	TF1-GZ-117-083117	Ground water	Normal (Regular)	31-Aug-17	537	Perfluoroalkyl Compounds
MID_ATLANTIC	NEWPORT_NS	SC38778	SITE 00007	SITE 00007	TF1-GZ-114	Monitoring well	388806.98	184860.76	N6247016D9008	WE15	TETRA TECH, INC.	TF1-GZ-114-083117	Ground water	Normal (Regular)	31-Aug-17	537	Perfluoroalkyl Compounds
MID_ATLANTIC	NEWPORT_NS	SC38778							N6247016D9008	WE15	TETRA TECH, INC.	TF1-FRB-083117	Water for QC samples	Field Reagent Blank	31-Aug-17	537	Perfluoroalkyl Compounds
MID_ATLANTIC	NEWPORT_NS	SC38778	SITE 00007	SITE 00007	TF1-EBP-GT124R	Monitoring well	388340.9567	183800.1291	N6247016D9008	WE15	TETRA TECH, INC.	TF1-EBP-GT124R-083117	Ground water	Normal (Regular)	31-Aug-17	537	Perfluoroalkyl Compounds