POST-CLOSURE PERMIT
2006 ANNUAL REPORT
HAZARDOUS WASTE MANAGEMENT PERMIT
CHEVRON RESEARCH CENTER

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1.0 INTRODUCTION

This annual report is submitted in accordance with the requirements of the New York State Department of Environmental Conservation (NYSDEC) 6 NYCRR Part 373 Hazardous Waste Management Permit #3-1330-00048/16-0 (Permit) for the former Chevron Research and Development Center, located in Glenham, New York (See Figure 1). The Permit requires the collection of groundwater samples on a semiannual basis at the Recreation and Tank Farm Areas at the former Research and Development Center. This annual report contains a brief description of the calendar year 2006 groundwater monitoring and sampling event, along with a comparison of analytical results to the Groundwater Protection Concentrations (GPC) contained in the Permit. A brief discussion of groundwater flow within the Recreation Area and vicinity is also presented.

2.0 PROJECT SCOPE

The following monitoring wells located in the Recreation and Tank Farm Areas were sampled during the sampling event:

- DC-1
- DC-2
- TF-5
- TF-23
- DB-8A
- DB-17
- OS-2
- OR-2
- OS-3
- OR-3

The sampling events took place in June and November of 2006. The monitoring well locations are shown on Figure 2.

3.0 GROUNDWATER MONITORING

The groundwater monitoring events covered by this annual report occurred on June 6th through June 9th, 2006 and November 14th through November 16th, 2006.

During the sampling events the well condition, groundwater level, well depth, physical appearance, well evacuation information, and sampling parameters were documented on a Groundwater Sampling Record Log (see Appendix A). The sampling information recorded included the time and purge volume measurements. Samples were collected after these field parameters were recorded. Groundwater elevations obtained during the field events are presented in Tables 1 and 2.

In addition to each sample being collected, one (1) trip blank was analyzed per event. The samples were properly containerized and transported to Lancaster Laboratories in Lancaster, Pennsylvania for chemical analysis.

4.0 HYDROGEOLOGY

Prior to purging and sampling activities of the wells referenced above, depth to water was collected at each well location in order to determine ground flow direction and hydraulic gradient within the Recreation Area and surrounding vicinity. Depth to water was measured using an electrical contact probe and measured from the top edge of the permanent PVC casing. These reference points were re-surveyed (Fall 2006) for elevation and x-y coordinates. Vertical elevations were surveyed to an accuracy and precision of 0.01 feet, while horizontal coordinate accuracy was 0.10 feet or better. Coordinates were fixed to a nearby established benchmark. New York State Plane Coordinate System, East Zone (NAD -1983) system was used for the horizontal datum, while the vertical datum used the site vertical datum established by Texaco in 1957. This datum is 1.07 feet below NAVD 1988 Coordinate System. The work was performed by Badey and Watson Surveying and Engineering, P.C. of Cold Spring, New York, a New York State licensed land surveyor.

Groundwater was encountered at depths varying from 1.90 to 19.40 feet below surface and a groundwater divide was also observed to exist within the Recreation Area. The divide exists between wells DC-1 and DC-2 with groundwater flowing to the north to northwest north of well DC-2 under a general hydraulic gradient of 0.024 feet/foot, while groundwater flow south of well DC-2 is south to southeast under a general hydraulic gradient of 0.014 feet/foot. The groundwater north of the divide flows towards the Fishkill Creek, while groundwater south of the divide flows towards an unnamed creek located east of the Recreation Area. The unnamed creek flows to the northeast, based on topography, and eventually into the Fishkill Creek. The above information is based on two rounds of water level measurement (June 2006 and November 2006). Water level data from both groundwater monitoring rounds are presented in Tables 1 and 2 and graphically depicted in Figures 3 and 4.

5.0 ANALYSES OF GROUNDWATER SAMPLES

The groundwater samples were analyzed according to EPA Method 8260 for volatile organic compounds (VOCs), EPA Method 8270 for semivolatile organic compounds (SVOCs,) and lead by EPA Method 6010B. Duplicate samples (labeled DB-108A and TF-105) were collected from wells DB-8A (June 2006 sampling event) and TF-5 (November sampling event) and indicated acceptable precision according to EPA guidelines and Parsons' internal validation of the sample data from both sampling events. A validation of the groundwater sample results was performed by a Parsons chemist and validation reports were generated. A copy of the validation reports are provided in Appendix B and the summary of analytical results is presented in Tables 3 through 24.

Two of the ten groundwater monitoring wells sampled in June 2006 and three of the ten groundwater monitoring wells sampled in November 2006 contained constituents that exceeded the respective GPC's. In June 2006, concentrations of 1,2-Dichloroethene and Trichloroethene were observed in well DC-1 and Trichloroethene in well DB-8A exceeding GPC Criteria. In

November 2006, the same wells exhibited exceedances for the same parameters as in June 2006. An additional well, groundwater monitoring well OR-2 contained one constituent that exceeded its respective GPC. The constituent was 1,1-Dichloroethane at a concentration of 1.0 μg/L. The compounds observed at wells DC-1 and DB-8A have historically exceeded GPC criteria, while the 1,1-Dichloroethane at well OR-2 has not. Even through 1,1-Dichloroethene at well OR-2 exceeded the RCRA permit criteria, it was well below the New York State Department of Environmental Conservation, Ambient Water Quality Standard of 5.00 μg/L and should not be of concern. The results are presented in Tables 3 through 24 and the laboratory reports are included as Appendix C on disk. No other wells were observed as containing constituents that exceeded GPC criteria.

TABLES

Table 1
June 2006 Semiannual Groundwater Elevations
Recreation Area and Tank Farm, Chevron, Glenham, NY

Well ID	Top of Casing Elevation (feet)[1]	June 2006 Sampling Event	
		Field Data	Groundwater Elevation
DC-1	229.30	3.70	225.60
DC-2	229.10	2.75	226.35
TF-5	207.58	6.80	200.78
TF-23	207.20	7.45	199.75
DB-8A	232.60	7.25	225.35
DB-17	231.77	8.15	223.62
OS-2	221.76	5.75	216.01
OR-2	221.92	6.30	215.62
OS-3	233.02	3.00	230.02
OR-3	233.23	19.10	213.83

Note: (1) Top of casing elevations derived from Badey and Watson, Surveying and Engineering, P.C. map dated January 27, 2007

Table 2
November 2006 Semiannual Groundwater Elevations
Recreation Area and Tank Farm, Chevron, Glenham, NY

Well ID	Top of Casing Elevation (feet)[1]	November 2006 Sampling Event	
		Field Data	Groundwater Elevation
DC-1	229.30	3.30	226.00
DC-2	229.10	2.23	226.87
TF-5	207.58	6.12	201.46
TF-23	207.20	7.12	200.08
DB-8A	232.60	6.30	226.30
DB-17	231.77	7.38	224.39
OS-2	221.76	5.50	216.26
OR-2	221.92	5.22	216.70
OS-3	233.02	1.90	231.12
OR-3	233.23	15.94	217.29

Note: (1) Top of casing elevations derived from Badey and Watson, Surveying and Engineering, P.C. map dated January 27, 2007

Table 3
June 2006 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Chevron, Glenham, NY
Well DC-1

Constituent [1] µg/L	GPC	June 2006 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	**7.0**
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	**11.0**
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	18.0
Total SVOCs[5]	NA	0.0
Lead, unfiltered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzes by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in µg/L.
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1,2-Dichloroethene is the sum of trans -1,2-dichloroethene and cis-1,2-dichloroethene.
(4) Total of the cis and trans -1,3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
ND None Detected.
NA No applicable standard or guidance value or not analyzed.
GPC Groundwater Protection Concentration.
BOLD Concentrations exceed GPC.

Table 4
June 2006 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Chevron, Glenham, NY
Well DC-2

Constituent [1] µg/L	GPC	June 2006 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	0.8 J
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.8 J
Total SVOCs[5]	NA	0.0
Lead, unfiltered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzes by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in µg/L.
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1,2-Dichloroethene is the sum of trans -1,2-dichloroethene and cis-1,2-dichloroethene.
(4) Total of the cis and trans -1,3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
ND None Detected.
NA No applicable standard or guidance value or not analyzed.
GPC Groundwater Protection Concentration
J Estimated value.

Table 5
June 2006 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Chevron, Glenham, NY
Well TF-5

Constituent [1] µg/L	GPC	June 2006 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Lead, unfiltered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzes by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in µg/L.

(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.

(3) 1,2-Dichloroethene is the sum of trans -1,2-dichloroethene and cis-1,2-dichloroethene.

(4) Total of the cis and trans -1,3-dichloropropene not to exceed 0.40 µg/L.

(5) Refer to Appendix C for details.

(6) New York State Ambient Water Quality, June 1998 Criteria.

ND None Detected.

NA No applicable standard or guidance value or not analyzed.

GPC Groundwater Protection Concentration.

Table 6
June 2006 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Chevron, Glenham, NY
Well TF-23

Constituent [1] µg/L	GPC	June 2006 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Lead, unfiltered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzes by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in µg/L.
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1,2-Dichloroethene is the sum of trans -1,2-dichloroethene and cis-1,2-dichloroethene.
(4) Total of the cis and trans -1,3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
ND None Detected.
NA No applicable standard or guidance value or not analyzed.
GPC Groundwater Protection Concentration.

Table 7
June 2006 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Chevron, Glenham, NY
Well DB-8A

Constituent [1] µg/L	GPC	June 2006 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	**13.0**
Trichloroflouromethane	5	NA
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	13.0
Total SVOCs[5]	NA	0.0
Leads, unfiltered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzes by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in µg/L.
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1,2-Dichloroethene is the sum of trans -1,2-dichloroethene and cis-1,2-dichloroethene.
(4) Total of the cis and trans -1,3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
ND None Detected.
NA No applicable standard or guidance value or not analyzed.
GPC Groundwater Protection Concentration.
BOLD Concentrations exceed GPC.

Table 8
June 2006 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Chevron, Glenham, NY
Well DC-108A
(Duplicate Sample of Monitoring Well DC-8A)

Constituent [1] µg/L	GPC	June 2006 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	**14.0**
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	14.0
Total SVOCs[5]	NA	0.0
Lead, unfiltered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzes by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in µg/L.
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1,2-Dichloroethene is the sum of trans -1,2-dichloroethene and cis-1,2-dichloroethene.
(4) Total of the cis and trans -1,3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
ND None Detected.
NA No applicable standard or guidance value or not analyzed.
GPC Groundwater Protection Concentration. (Standard Value)
BOLD Concentrations exceed GPC.

Table 9
June 2006 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Chevron, Glenham, NY
Well DB-17

Constituent [1] µg/L	GPC	June 2006 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2][6]	ND
Bromoform	50[2][6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2][6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0
Total SVOCs[5]	NA	0.0
Lead, unfiltered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzes by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in µg/L.
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1,2-Dichloroethene is the sum of trans -1,2-dichloroethene and cis-1,2-dichloroethene.
(4) Total of the cis and trans -1,3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
ND None Detected.
NA No applicable standard or guidance value or not analyzed.
GPC Groundwater Protection Concentration.

Table 10
June 2006 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Chevron, Glenham, NY
Well OS-2

Constituent [1] µg/L	GPC	June 2006 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Lead, unfiltered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzes by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in µg/L.
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1,2-Dichloroethene is the sum of trans -1,2-dichloroethene and cis-1,2-dichloroethene.
(4) Total of the cis and trans -1,3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
ND None Detected.
NA No applicable standard or guidance value or not analyzed.
GPC Groundwater Protection Concentration.

Table 11
June 2006 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Chevron, Glenham, NY
Well OR-2

Constituent [1] µg/L	GPC	June 2006 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Lead, unfiltered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzes by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in µg/L.
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1,2-Dichloroethene is the sum of trans -1,2-dichloroethene and cis-1,2-dichloroethene.
(4) Total of the cis and trans -1,3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
ND None Detected.
NA No applicable standard or guidance value or not analyzed.
GPC Groundwater Protection Concentration.

Table 12
June 2006 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Chevron, Glenham, NY
Well OS-3

Constituent [1] µg/L	GPC	June 2006 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2][6]	ND
Bromoform	50[2][6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2][6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Lead, unfiltered	25	ND

Notes:
(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzes by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in µg/L.
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1,2-Dichloroethene is the sum of trans -1,2-dichloroethene and cis-1,2-dichloroethene.
(4) Total of the cis and trans -1,3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
ND None Detected.
NA No applicable standard or guidance value or not analyzed.
GPC Groundwater Protection Concentration.

Table 13
June 2006 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Chevron, Glenham, NY
Well OR-3

Constituent [1] µg/L	GPC	June 2006 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Lead, unfiltered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzes by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in µg/L.
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1,2-Dichloroethene is the sum of trans -1,2-dichloroethene and cis-1,2-dichloroethene.
(4) Total of the cis and trans -1,3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
ND None Detected.
NA No applicable standard or guidance value or not analyzed.
GPC Groundwater Protection Concentration.

Table 14
November 2006 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Chevron, Glenham, NY
Well DC-1

Constituent [1] µg/L	GPC	November 2006 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	**7.0**
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	**12.0**
Trichloroflouromethane	5	NA
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	19.0
Total SVOCs[5]	NA	0.0
Lead, unfiltered	25	7.1 J

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzes by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in µg/L.
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1,2-Dichloroethene is the sum of trans -1,2-dichloroethene and cis-1,2-dichloroethene.
(4) Total of the cis and trans -1,3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
ND None Detected.
NA No applicable standard or guidance value or not analyzed.
GPC Groundwater Protection Concentration.
BOLD Concentrations exceed GPC.
J Estimated value.

Table 15
November 2006 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Chevron, Glenham, NY
Well DC-2

Constituent [1] µg/L	GPC	November 2006 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Lead, unfiltered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzes by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in µg/L.

(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.

(3) 1,2-Dichloroethene is the sum of trans -1,2-dichloroethene and cis-1,2-dichloroethene.

(4) Total of the cis and trans -1,3-dichloropropene not to exceed 0.40 µg/L.

(5) Refer to Appendix C for details.

(6) New York State Ambient Water Quality, June 1998 Criteria.

ND None Detected.

NA No applicable standard or guidance value or not analyzed.

GPC Groundwater Protection Concentration.

Table 16
November 2006 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Chevron, Glenham, NY
Well TF-5

Constituent [1] µg/L	GPC	November 2006 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Lead, unfiltered	25	8.3 J

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzes by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in µg/L.
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1,2-Dichloroethene is the sum of trans -1,2-dichloroethene and cis-1,2-dichloroethene.
(4) Total of the cis and trans -1,3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
ND None Detected.
NA No applicable standard or guidance value or not analyzed.
GPC Groundwater Protection Concentration.
J Estimated value.

Table 17
November 2006 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Chevron, Glenham, NY
Well TF-105
(Duplicate Sample of Monitoring Well TF-5)

Constituent [1] µg/L	GPC	November 2006 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Lead, unfiltered	25	7.0 J

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzes by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in µg/L.
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1,2-Dichloroethene is the sum of trans -1,2-dichloroethene and cis-1,2-dichloroethene.
(4) Total of the cis and trans -1,3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
ND None Detected.
NA No applicable standard or guidance value or not analyzed.
GPC Groundwater Protection Concentration.
J Estimated value.

Table 18
November 2006 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Chevron, Glenham, NY
Well TF-23

Constituent [1] µg/L	GPC	November 2006 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Leads, unfiltered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzes by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in µg/L.
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1,2-Dichloroethene is the sum of trans -1,2-dichloroethene and cis-1,2-dichloroethene.
(4) Total of the cis and trans -1,3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
ND None Detected.
NA No applicable standard or guidance value or not analyzed.
GPC Groundwater Protection Concentration.

Table 19
November 2006 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Chevron, Glenham, NY
Well DB-8A

Constituent [1] µg/L	GPC	November 2006 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	1.0 J
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	**11.0**
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	12.0
Total SVOCs[5]	NA	6.0
Lead, unfiltered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzes by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in µg/L.
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1,2-Dichloroethene is the sum of trans -1,2-dichloroethene and cis-1,2-dichloroethene.
(4) Total of the cis and trans -1,3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
ND None Detected.
NA No applicable standard or guidance value or not analyzed.
GPC Groundwater Protection Concentration.
BOLD Concentrations exceed GPC.
J Estimated value.

Table 20
November 2006 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Chevron, Glenham, NY
Well DB-17

Constituent [1] µg/L	GPC	November 2006 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2][6]	ND
Bromoform	50[2][6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2][6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Lead, unfiltered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzes by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in µg/L.
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1,2-Dichloroethene is the sum of trans -1,2-dichloroethene and cis-1,2-dichloroethene.
(4) Total of the cis and trans -1,3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
ND None Detected.
NA No applicable standard or guidance value or not analyzed.
GPC Groundwater Protection Concentration.

Table 21
November 2006 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Chevron, Glenham, NY
Well OS-2

Constituent [1] µg/L	GPC	November 2006 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Lead, unfiltered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzes by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in µg/L.
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1,2-Dichloroethene is the sum of trans -1,2-dichloroethene and cis-1,2-dichloroethene.
(4) Total of the cis and trans -1,3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
ND None Detected.
NA No applicable standard or guidance value or not analyzed.
GPC Groundwater Protection Concentration.

Table 22
November 2006 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Chevron, Glenham, NY
Well OR-2

Constituent [1] µg/L	GPC	November 2006 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	**1.0 J**
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	1.0
Total SVOCs[5]	NA	0.0
Lead, unfiltered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzes by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in µg/L.
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1,2-Dichloroethene is the sum of trans -1,2-dichloroethene and cis-1,2-dichloroethene.
(4) Total of the cis and trans -1,3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
ND None Detected.
NA No applicable standard or guidance value or not analyzed.
GPC Groundwater Protection Concentration.
BOLD Concentrations exceed GPC.
J Estimated value.

Table 23
November 2006 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Chevron, Glenham, NY
Well OS-3

Constituent [1] µg/L	GPC	November 2006 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Lead, unfiltered	25	ND

Notes:
(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzes by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in µg/L.
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1,2-Dichloroethene is the sum of trans -1,2-dichloroethene and cis-1,2-dichloroethene.
(4) Total of the cis and trans -1,3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
ND None Detected.
NA No applicable standard or guidance value or not analyzed.
GPC Groundwater Protection Concentration.

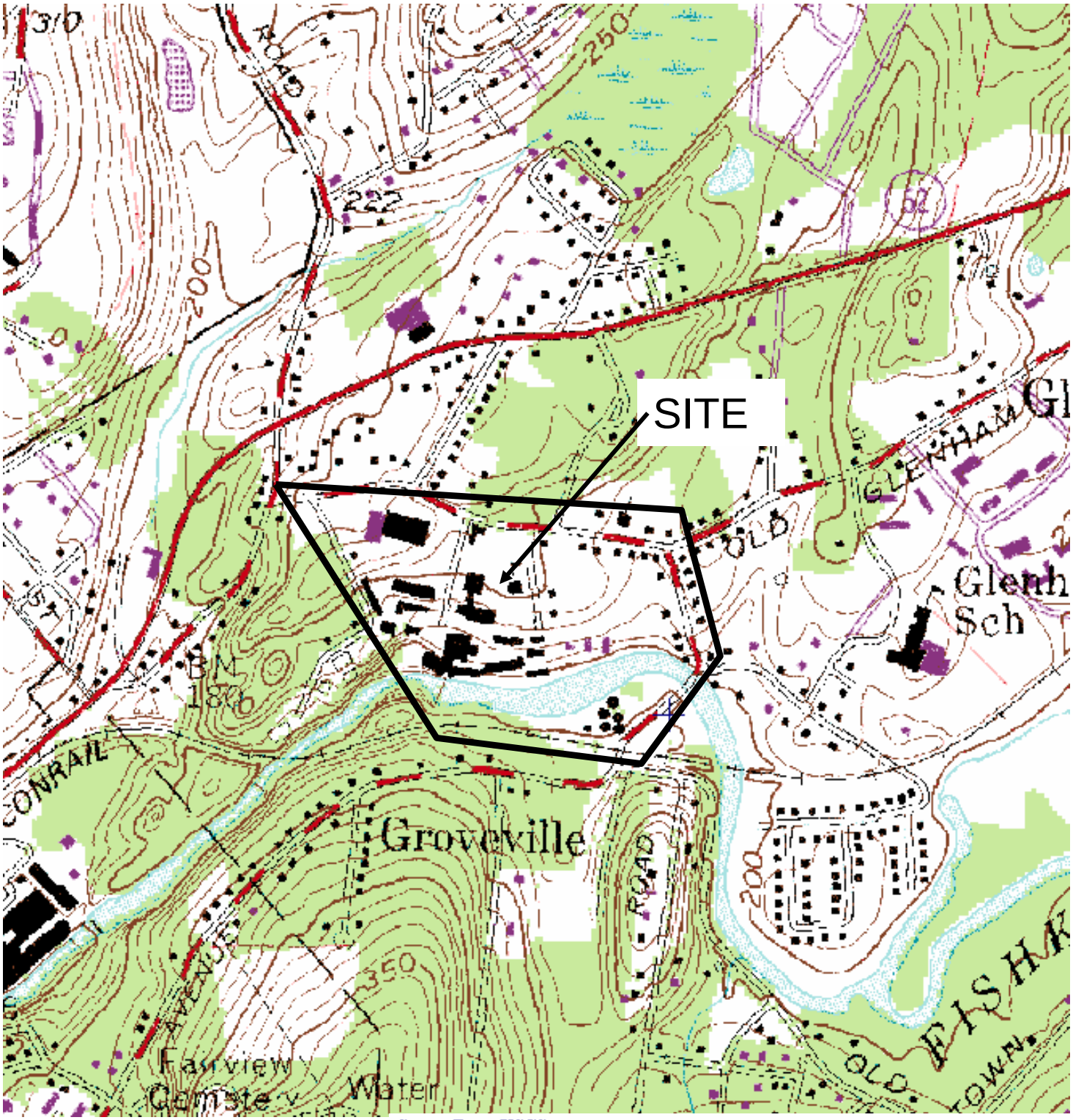
Table 24
November 2006 Semiannual Groundwater Sampling Analytical Results
Recreation Area and Tank Farm, Chevron, Glenham, NY
Well OR-3

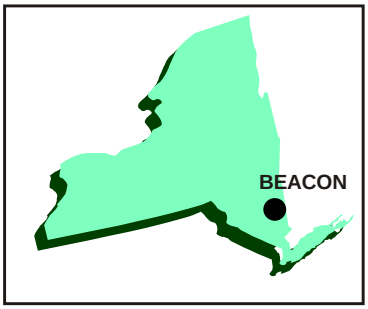
Constituent [1] µg/L	GPC	November 2006 Sampling Event Result
Trihalomethanes (total) [2]	100	ND
Benzene	1.0	ND
Bromodichloromethane	50[2] [6]	ND
Bromoform	50[2] [6]	ND
Bromomethane	5	ND
Carbon Tetrachloride	5	ND
Chlorobenzene	5	ND
Chloroethane	5	ND
2-Chloroethylvinyl Ether	5	ND
Chloroform	7[2][6]	ND
Chloromethane	5	ND
Dibromochloromethane	50[2] [6]	ND
1,2-Dichlorobenzene	4.7	ND
1,3-Dichlorobenzene	5	ND
1,4-Dichlorobenzene	4.7	ND
1,1-Dichloroethane	0.4	ND
1,2-Dichloroethane	5	ND
1,1-Dichloroethene	5	ND
1,2-Dichloroethene (total) [3]	5	ND
1,2-Dichloropropane	0.5	ND
cis-1,3-Dichloropropene	0.4[4]	ND
trans-1,3-Dichloropropene	0.4[4]	ND
Ethylbenzene	5	ND
Methylene Chloride	4.7	ND
1,1,2,2-Tetrachloroethane	1.8	ND
Tetrachloroethene	5	ND
Toluene	5	ND
1,1,1-Trichloroethane	5	ND
1,1,2-Trichloroethane	5	ND
Trichloroethene	5	ND
Trichloroflouromethane	5	ND
Vinyl Chloride	2	ND
Xylene (total)	5	ND
Total VOCs [5]	NA	0.0
Total SVOCs[5]	NA	0.0
Lead, unfiltered	25	ND

Notes:

(1) VOCs analyzed by EPA Method 8260, SVOCs were analyzes by EPA Method 8270, and lead was analyzed by EPA Method 6010B. The units reported in µg/L.
(2) Total of the trihalomethanes not to exceed 100 micrograms/liter. Total value is sum of bromoform, chloroform, dibromochloromethane, and bromodichloromethane.
(3) 1,2-Dichloroethene is the sum of trans -1,2-dichloroethene and cis-1,2-dichloroethene.
(4) Total of the cis and trans -1,3-dichloropropene not to exceed 0.40 µg/L.
(5) Refer to Appendix C for details.
(6) New York State Ambient Water Quality, June 1998 Criteria.
ND None Detected.
NA No applicable standard or guidance value or not analyzed.
GPC Groundwater Protection Concentration.

FIGURES





New York
Quadrangle

LATITUDE: N41° 31' 06"
LONGITUDE: W73° 56' 13"

N

SOURCE: DeLORME 3-D
TOPOQUAD PROGRAM

FIGURE 1

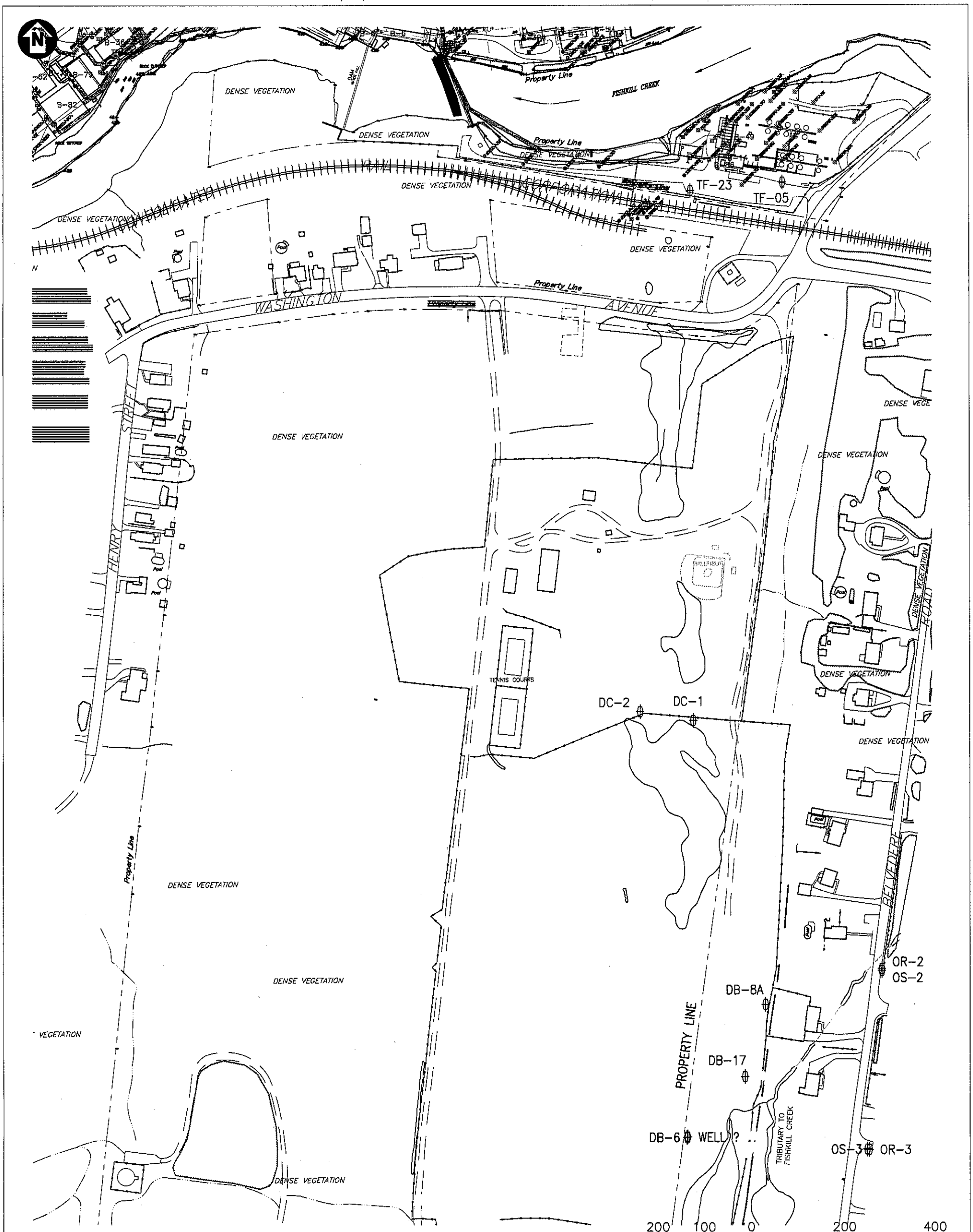
Chevron

SITE LOCATION MAP

Chevron Beacon, New York

PARSONS
290 ELWOOD DAVIS ROAD, SUITE 312, LIVERPOOL, NY 13088 PHONE: (315) 451-9560

441859.07000 ** 441859-C-001.DWG ** STEVE ** 02/06/07 ** 12:11:49



LEGEND:

⊕ DC-2 MONITORING WELL LOCATION

SOURCE: BADEY & WATSON, SURVEYING & ENGINEERING, P.C.

THE MERIDIAN AND COORDINATE VALUES HEREON REFER TO THE NEW YORK STATE COORDINATE SYSTEM, EAST ZONE (NAD-1983) EXPRESSED IN FEET.

WELL AND BORING ELEVATIONS ARE REFERENCED TO A SITE VERTICAL DATUM ESTABLISHED BY TEXACO IN 1957, HEREINAFTER REFERRED TO AS THE TEXACO DATUM. THIS DATUM IS 1.07' BELOW NAVD 1988.

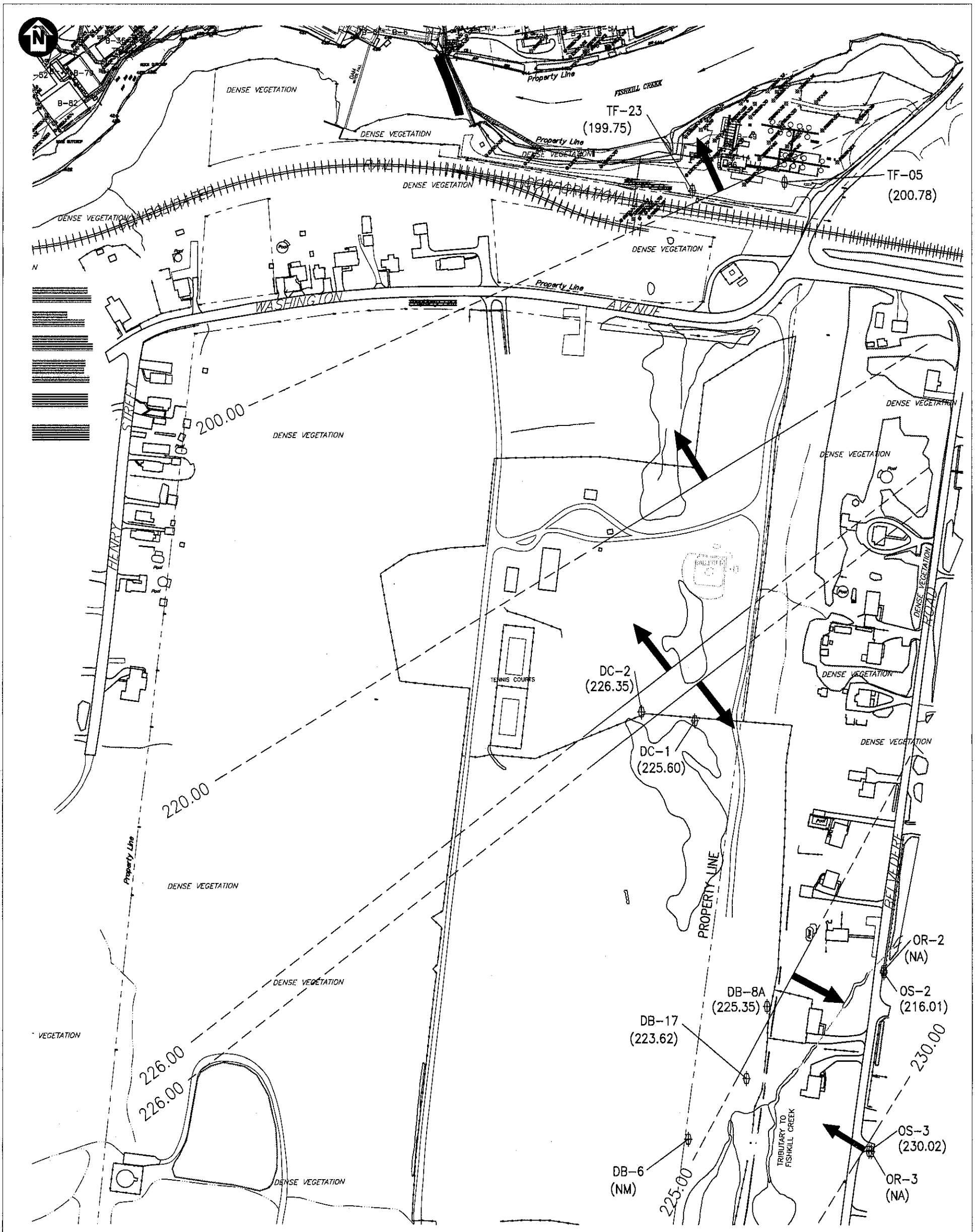
FIGURE 2

FORMER CHEVRON BEACON FACILITY
BEACON, NEW YORK

SITE MAP

PARSONS
290 ELWOOD DAVIS ROAD, SUITE 312, LIVERPOOL, N.Y. 13088, PHONE: 315-451-9560

441859.07000 ** 441859-C-003.DWG ** STEVE ** 02/14/07 ** 11:30:33



LEGEND:

⊕ DC-2	MONITORING WELL LOCATION	→	GROUNDWATER FLOW DIRECTION
—— — — 230.00	GROUNDWATER ELEVATION CONTOUR	NM	NOT MEASURED
(230.02)	GROUNDWATER ELEVATION RESULT (JUNE 2006)	NA	NON-APPLICABLE (NOTE: WELLS OR-2 AND OR-3 ARE BEDROCK WELLS AND ARE NOT CONTOURED. ONLY OVERBURDEN WELL CONTOURED)

SOURCE: BADEY & WATSON, SURVEYING & ENGINEERING, P.C.

THE MERIDIAN AND COORDINATE VALUES HEREON REFER TO THE NEW YORK STATE COORDINATE SYSTEM, EAST ZONE (NAD-1983) EXPRESSED IN FEET.

WELL AND BORING ELEVATIONS ARE REFERENCED TO A SITE VERTICAL DATUM ESTABLISHED BY TEXACO IN 1957, HEREINAFTER REFERRED TO AS THE TEXACO DATUM. THIS DATUM IS 1.07' BELOW NAVD 1988.

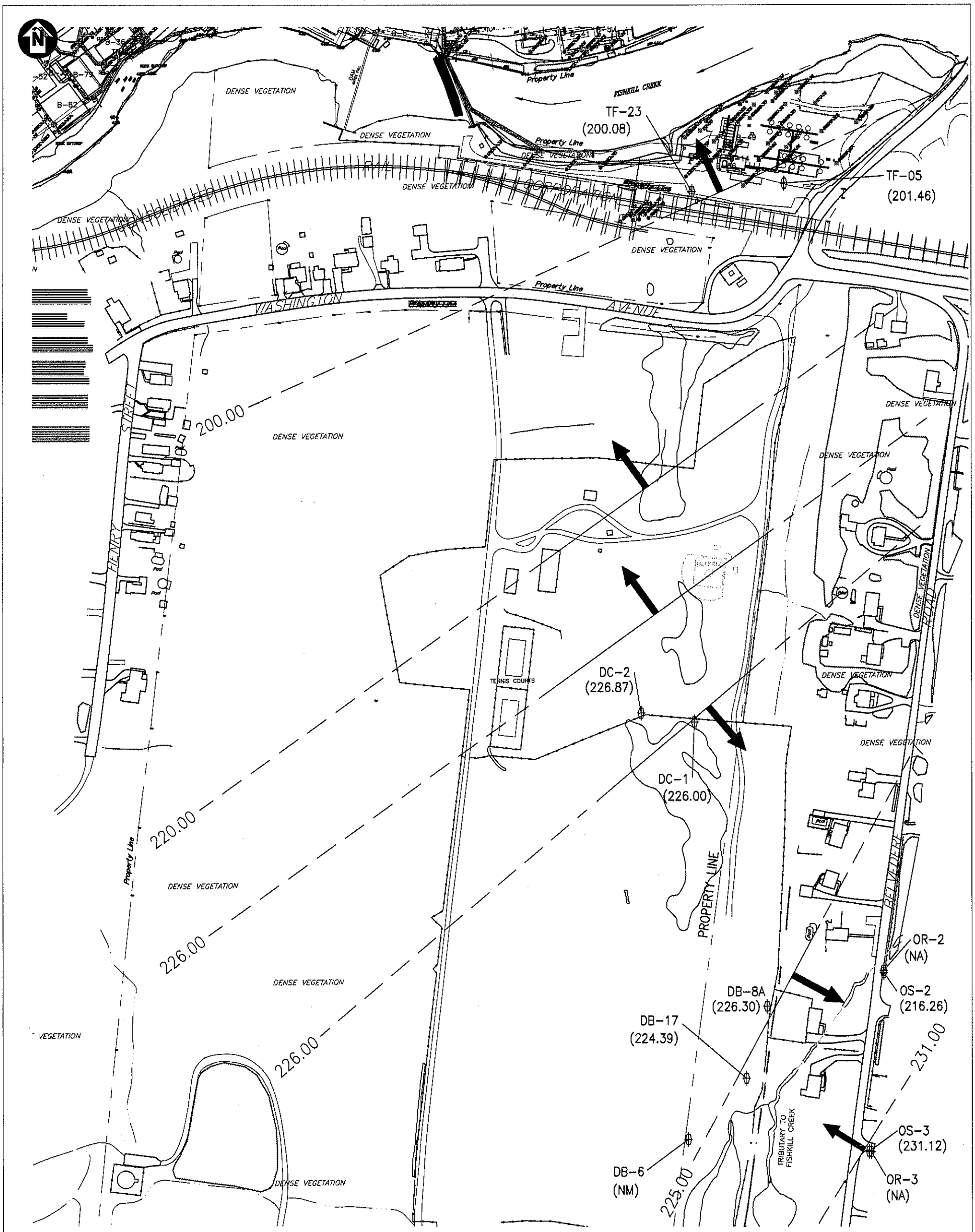
FIGURE 3

FORMER CHEVRON BEACON FACILITY
BEACON, NEW YORK

GROUNDWATER ELEVATION CONTOUR MAP
(JUNE 2006)

PARSONS
290 ELWOOD DAVIS ROAD, SUITE 312, LIVERPOOL, N.Y. 13088, PHONE: 315-451-9560

441859.07000 ** 441859-C-004.DWG ** STEVE ** 02/14/07 ** 12:26:49



LEGEND:

⊕ DC-2	MONITORING WELL LOCATION	→	GROUNDWATER FLOW DIRECTION
—— – – 231.00	GROUNDWATER ELEVATION CONTOUR	NM	NOT MEASURED
(231.12)	GROUNDWATER ELEVATION RESULT (NOVEMBER 2006)	NA	NON-APPLICABLE (NOTE: WELLS OR-2 AND OR-3 ARE BEDROCK WELLS AND ARE NOT CONTOURED. ONLY OVERBURDEN WELL CONTOURED)

SOURCE: BADEY & WATSON, SURVEYING & ENGINEERING, P.C.

THE MERIDIAN AND COORDINATE VALUES HEREON REFER TO THE NEW YORK STATE COORDINATE SYSTEM, EAST ZONE (NAD-1983) EXPRESSED IN FEET.

WELL AND BORING ELEVATIONS ARE REFERENCED TO A SITE VERTICAL DATUM ESTABLISHED BY TEXACO IN 1957, HEREINAFTER REFERRED TO AS THE TEXACO DATUM. THIS DATUM IS 1.07' BELOW NAVD 1988.

SCALE: 1"=200'

FIGURE 4

FORMER CHEVRON BEACON FACILITY
BEACON, NEW YORK

GROUNDWATER ELEVATION CONTOUR MAP
(NOVEMBER 2006)

PARSONS
290 ELWOOD DAVIS ROAD, SUITE 312, LIVERPOOL, N.Y. 13088, PHONE: 315-451-9560

APPENDIX A

PARSONS GROUNDWATER SAMPLING RECORD LOGS (JUNE 2006 AND NOVEMBER 2006)

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX - RCRA Permit Sampling - Beacon, NY
PROJECT NUMBER: 441859.0700

SAMPLE NUMBER: OB-17A WEATHER: Rain - 65°F
DATE: 6/7/06 TIME: 12 00

SAMPLERS: Ed Ashton of Parsons
of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring Well ~~MW-~~ OB-17A
Screen/Sample Depth: 70 - 90'
Sample Method: Same as purging device

GROUNDWATER PURGING

Initial Static Water Level: 8.15'

One Well Volume:					3 Volumes
2-Inch Casing:	0.95	Feet of Water x 0.16 Gallons/Foot =	0.152	Gallons	0.470
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 2 Gallons
Purging Device: poly-disposable bailer and poly. rope
Purge Water Disposition (e.g., contained): poly. tank and transferred to on-site water treatment plant

SAMPLE DESCRIPTION (6/8/06 sample collected)

Color: Low turbidity
Odor: none
Other: none
Sample Analyzed for: 8270, 8260, and PS (6010B)
QC Samples at this Location: none
QC Samples Analyzed for: none

FIELD MEASUREMENTS

Temperature (C/F): 57.1°F Conductivity (~~µohms/cm~~) mS: 0.27
pH: 7.91 Turbidity (NTU): 15.4

SAMPLE CUSTODY

Chain of Custody Number: — Laboratory: Lancaster Lab
Shipped Via: Fedex Air bill Number: —

COMMENTS: Purged dry and cutting recharge overnight

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX - RCRA Permit Sampling - Bayonne, NJ
PROJECT NUMBER: 44 1857.07 000

SAMPLE NUMBER: OB-8A **WEATHER:** Rain - 65°F
DATE: 6/7/06 **TIME:** 1130

SAMPLERS: Ed Ashton of Parsons
of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring Well ~~MW-~~ OB-8A
Screen/Sample Depth: TD = 16.3'
Sample Method: Same as purging device

GROUNDWATER PURGING

Initial Static Water Level: 7.25'

One Well Volume:

					3 Volumes
2-Inch Casing:	9.05	Feet of Water x 0.165 Gallons/Foot =	1.49	Gallons	4.47
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 20 Gallons
Purging Device: disposable bailer (poly) and poly rope
Purge Water Disposition (e.g., contained): poly tank and transferred to waste water treatment plant onsite

SAMPLE DESCRIPTION (6/8/06 collected sample)

Color: Clear
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, Sol. PS (6010B)
QC Samples at this Location: OB-108A (Duplicate of OB-8A)
QC Samples Analyzed for: Same as above

FIELD MEASUREMENTS

Temperature (C/F): 15.1°C
Conductivity ~~(µohms/cm)~~ mS: 0.43
pH: 7.84
Turbidity (NTU): 9.10

SAMPLE CUSTODY

Chain of Custody Number: —
Laboratory: Lancaster Lab
Shipped Via: FedEx
Air bill Number: —

COMMENTS

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: COX - RCRA Permit Sampling - Beacon, NY
PROJECT NUMBER: 441859.07.00

SAMPLE NUMBER: MC-1 WEATHER: Rain - 65°F
DATE: 6/7/06 TIME: 1040

SAMPLERS: Ed Ashton of Parsons
of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring Well ~~No.~~ MC-1
Screen/Sample Depth: 7.0 - 12.0'
Sample Method: Same as purge device

GROUNDWATER PURGING

Initial Static Water Level: 3.70'

One Well Volume:					3 Volumes
2-Inch Casing:	8.30	Feet of Water x 0.16 Gallons/Foot =	1.36	Gallons	4.10
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 5 Gallons
Purging Device: Typical 3/8 Saite (poly) and poly rope.
Purge Water Disposition (e.g., contained): poly tank and transferred to water treatment plant on site

SAMPLE DESCRIPTION 6/8/06 collected sample
Color: Light Lavender Med. Turbid
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, and PS (60dB)
QC Samples at this Location: none
QC Samples Analyzed for: none

FIELD MEASUREMENTS

Temperature (C/F): 58.1°F
Conductivity (~~µohms/cm~~) mS: 0.61
pH: 8.11
Turbidity (NTU): 14.4

SAMPLE CUSTODY

Chain of Custody Number: —
Laboratory: Lancaster Labs
Shipped Via: Fedex
Air bill Number: —

COMMENTS: Purged dry and letting recharge overnight

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX - RCRA Permit Sampling - Bergen, NJ
PROJECT NUMBER: 441857.07000

SAMPLE NUMBER: OC-2 WEATHER: Rain - 65°F
DATE: 6/7/06 TIME: 1000

SAMPLERS: Ed Austin of Parsons
of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring Well ~~MW-~~ OC-2
Screen/Sample Depth: 10 - 17.5'
Sample Method: Same as purging device

GROUNDWATER PURGING

Initial Static Water Level: 2.75'

One Well Volume:					3 Volumes
2-Inch Casing:	14.75	Feet of Water x 0.16 Gallons/Foot =	2.43	Gallons	7.30
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 20 Gallons
Purging Device: disposable bailer (poly) and poly rope
Purge Water Disposition (e.g., contained): poly tank and transported to waste water treatment plant onsite

SAMPLE DESCRIPTION 6/8/06 collect of sample
Color: moderately turbid
Odor: None
Other: none
Sample Analyzed for: 8260, 8270, and Pb (6010B)
QC Samples at this Location: ~~MS MSD~~ FD none
QC Samples Analyzed for: none

FIELD MEASUREMENTS

Temperature (C/F): 61.5°F Conductivity (~~mmhos/cm~~ mS): 0.28
pH: 7.93 Turbidity (NTU): 89.1

SAMPLE CUSTODY

Chain of Custody Number: — Laboratory: Lancaster Lab.
Shipped Via: Fedex Air bill Number: —

COMMENTS * water collected was turbid and was first bailer full after bailing the well dry overnight after purging it.

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX - RCRA Permit Sampling - Bacon, NY
PROJECT NUMBER: 441859.C700

SAMPLE NUMBER: TF-23 WEATHER: Sunny, Partly Cloudy - 70°F
DATE: 6/6/06 TIME: 1535

SAMPLERS: Ed Ashton of Parsons
of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring Well ~~MW~~ TF-23
Screen/Sample Depth: TD = 12.7'
Sample Method: Same as purging device

GROUNDWATER PURGING

Initial Static Water Level: 7.45'

One Well Volume:					3 Volumes
2-Inch Casing:	5.25	Feet of Water x 0.16 Gallons/Foot =	0.856	Gallons	2.59
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 10 Gallons
Purging Device: disposable bailer (poly) & poly. rope
Purge Water Disposition (e.g., contained): poly tank & hose transferred to wastewater treatment plant onsite

SAMPLE DESCRIPTION (6/7/06 Sample)
Color: Moderately turbid
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, & PS (6010B)
QC Samples at this Location: none
QC Samples Analyzed for: none

FIELD MEASUREMENTS

Temperature (C/F): 55.0°F Conductivity (~~µohms/cm~~) mS: 0.70
pH: 7.40 Turbidity (NTU): 12.7

SAMPLE CUSTODY

Chain of Custody Number: — Laboratory: Lancaster Labs
Shipped Via: Fedex Air bill Number: —

COMMENTS: Purged dry & allowed recharge overnight

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX - RCRA Permit Sampling - Beacon, NY
PROJECT NUMBER: 441857.07000

SAMPLE NUMBER: TF-5 WEATHER: Partly Sunny - 70°F
DATE: 6/6/06 TIME: 1515

SAMPLERS: Ed Astin of Parsons
of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring Well MW- TF-5
Screen/Sample Depth: TD = 9.5'
Sample Method: Same as purge device

GROUNDWATER PURGING

Initial Static Water Level: 6.80'

One Well Volume:					3 Volumes
2-Inch Casing:	2.7	Feet of Water x 0.16 Gallons/Foot =	0.445	Gallons	1.33
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 3 Gallons
Purging Device: disposable bailer (poly.) and poly. rope
Purge Water Disposition (e.g., contained): poly. tank and then transferred to waste water treatment onsite plant

SAMPLE DESCRIPTION Collected 6/6/06

Color: Moderately turbid
Odor: none
Other: none
Sample Analyzed for: 8260 ; 8270 ; Pb. (6010B)
QC Samples at this Location: none
QC Samples Analyzed for: none

FIELD MEASUREMENTS

Temperature (C/F): 64.9 °F Conductivity (~~µohms/cm~~): 2.26
pH: 7.45 Turbidity (NTU): 37.9

SAMPLE CUSTODY

Chain of Custody Number: — Laboratory: Lancaster Lab.
Shipped Via: Fedex Air bill Number: —

COMMENTS

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: Cox - RCRA Permit Sampling - Beaumont
PROJECT NUMBER: 741859. C7 000

SAMPLE NUMBER: 05-3 WEATHER: Partly Cloudy - 65°F
DATE: 6/8/06 TIME: 1340

SAMPLERS: Ed Agatan of Parsons
of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring Well ~~MW~~ 05-3
Screen/Sample Depth: TD = 15.0'
Sample Method: disposable Saran and poly rope.

GROUNDWATER PURGING

Initial Static Water Level: 3.00'

One Well Volume:					3 Volumes
2-Inch Casing:	____	Feet of Water x 0.16 Gallons/Foot =	____	Gallons	____
3-Inch Casing:	____	Feet of Water x 0.36 Gallons/Foot =	____	Gallons	____
4-Inch Casing:	12.0	Feet of Water x 0.65 Gallons/Foot =	7.80	Gallons	23.7

Volume of groundwater purged: 30 Gallons ____ tubing
Purging Device: Submersible peristaltic pump and poly. tube (disposable)
Purge Water Disposition (e.g., contained): poly tank and transferred to waste water treatment plant onsite.

SAMPLE DESCRIPTION 6/8/06 Sample collected
Color: Clear
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, and 05 (6010B)
QC Samples at this Location: none
QC Samples Analyzed for: none

FIELD MEASUREMENTS

Temperature (C/F): 51.5°F Conductivity (~~µohms/cm~~) mS: 0.25
pH: 8.80 Turbidity (NTU): 0.87

SAMPLE CUSTODY

Chain of Custody Number: — Laboratory: Lancaster Labs
Shipped Via: Fedex Air bill Number: —

COMMENTS

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX - RCRA Permit Sampling - Beacon, NY
PROJECT NUMBER: 441857.07.00

SAMPLE NUMBER: GS-2 WEATHER: Partly Cldy - 65°F
DATE: 6/8/06 TIME: 0900

SAMPLERS: Ed Ashton of Parsons
of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring Well ~~MW~~ GS-2
Screen/Sample Depth: 100' - 150'
Sample Method: disposable bailer and poly rope.

GROUNDWATER PURGING

Initial Static Water Level: 5.75'

One Well Volume:				3 Volumes
2-Inch Casing:	____	Feet of Water x 0.16 Gallons/Foot =	____	Gallons ____
3-Inch Casing:	____	Feet of Water x 0.36 Gallons/Foot =	____	Gallons ____
4-Inch Casing:	9.25	Feet of Water x 0.65 Gallons/Foot =	6.09	Gallons 18.28

Volume of groundwater purged: 40 Gallons ____
Purging Device: submersible peristaltic pump and poly. tubing (disposable)
Purge Water Disposition (e.g., contained): poly. tank and transferred to waste water treatment plant onsite

SAMPLE DESCRIPTION (6/9/06 Sample collected)

Color: Clear.
Odor: None
Other: none
Sample Analyzed for: 8260, 8270, and Pb (6010B)
QC Samples at this Location: GS-2 MS, GS2MSD
QC Samples Analyzed for: same as above

FIELD MEASUREMENTS

Temperature (C/F): 59.9°F
Conductivity (~~µmhos/cm~~ mS): 0.45
pH: 7.34
Turbidity (NTU): 5.36

SAMPLE CUSTODY

Chain of Custody Number: —
Laboratory: Centek Labs
Shipped Via: Fedex
Air bill Number: —

COMMENTS

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: COX - RCRA Permit Sampling - Bogalusa, LA
PROJECT NUMBER: 741857.07.00

SAMPLE NUMBER: CR-2 WEATHER: Partly Cloudy - 65°F
DATE: 6/8/06 TIME: 1520

SAMPLERS: Ed Ashton of Parsons
of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring Well MW CR-2
Screen/Sample Depth: 70 - 42.00
Sample Method: Disposable Bailer and Poly. Rope

GROUNDWATER PURGING

Initial Static Water Level: 6.30'

One Well Volume:					3 Volumes
2-Inch Casing:	____	Feet of Water x 0.16 Gallons/Foot =	____	Gallons	____
3-Inch Casing:	____	Feet of Water x 0.36 Gallons/Foot =	____	Gallons	____
4-Inch Casing:	35.7	Feet of Water x 0.65 Gallons/Foot =	23.21	Gallons	70.5

Volume of groundwater purged: 80 Gallons ____ Tubing
Purging Device: Submersible ~~pneumatic~~ peristaltic pump and poly tube (Dispos56)
Purge Water Disposition (e.g., contained): poly tank and transferred to onsite wastewater treatment plant onsite

SAMPLE DESCRIPTION 6/9/06 sample collected

Color: Clear
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, and PS C6040B)
QC Samples at this Location: none
QC Samples Analyzed for: none

FIELD MEASUREMENTS

Temperature (C/F): 59.4°F Conductivity (~~µohms/cm~~) mS: 0.49
pH: 8.49 Turbidity (NTU): 2.92

SAMPLE CUSTODY

Chain of Custody Number: — Laboratory: Caucasian Labs
Shipped Via: Fedex Air bill Number: —

COMMENTS

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: Cox - RCRA Permit Sampling - Beacon, NY
PROJECT NUMBER: 441859.0700

SAMPLE NUMBER: OR-3 WEATHER: Cloudy - 70s
DATE: 6/5/06 TIME: 09 30

SAMPLERS: Ed Austin of Parsons
of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring Well ~~MW-~~ OR-3
Screen/Sample Depth: 70 = 74.0'
Sample Method: disposable bailer and poly. rope

GROUNDWATER PURGING

Initial Static Water Level: 19.4'

One Well Volume: 3 Volumes

2-Inch Casing:	____	Feet of Water x 0.16 Gallons/Foot =	____	Gallons	____
3-Inch Casing:	____	Feet of Water x 0.36 Gallons/Foot =	____	Gallons	____
4-Inch Casing:	54.6	Feet of Water x 0.65 Gallons/Foot =	35.9	Gallons	107.9

Volume of groundwater purged: 110 Gallons ____
Purging Device: Sampler 3456 peristaltic pump and poly. tubing (disposable)
Purge Water Disposition (e.g., contained): poly tank and transferred to wastewater treatment plant onsite

SAMPLE DESCRIPTION 6/5/06 Sample collected
Color: Clear
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, and PS (6010B)
QC Samples at this Location: none
QC Samples Analyzed for: none

FIELD MEASUREMENTS

Temperature (C/F): 56.4°F Conductivity (~~mhmo/cm~~ mS): 0.45
pH: 8.32 Turbidity (NTU): 3-35

SAMPLE CUSTODY

Chain of Custody Number: — Laboratory: Lancaster Lab
Shipped Via: Fedex Air bill Number: —

COMMENTS

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX - RCRA Permit Sampling - Beacon, NY
PROJECT NUMBER: 441859.07.000

SAMPLE NUMBER: OB-17A WEATHER: Cloudy - ~60°F
DATE: 11/15/06 TIME: 1120

SAMPLERS: Chuck Burkhardt of Parsons
of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring Well ~~MW-~~ OB-17A
Screen/Sample Depth: TD = 9.10'
Sample Method: same as purging device

GROUNDWATER PURGING

Initial Static Water Level: 7.38

One Well Volume:				3 Volumes
2-Inch Casing:	1.72	Feet of Water x 0.16 Gallons/Foot =	0.275 Gallons	0.825
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =	Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =	Gallons	

Volume of groundwater purged: 0.9 Gallons
Purging Device: poly. disposable bailer and poly. rope
Purge Water Disposition (e.g., contained): poly tanks and transferred to on site waste water treatment plant.

SAMPLE DESCRIPTION

Color: clear
Odor: None
Other: none
Sample Analyzed for: 8260, 8270, and Pb (6010B)
QC Samples at this Location: none
QC Samples Analyzed for: none

FIELD MEASUREMENTS

Temperature (°C/F): 12.1 Conductivity (~~µohms/cm~~ S/cm): 0.29
pH: 6.97 Turbidity (NTU): —
redox = 209 mV

SAMPLE CUSTODY

Chain of Custody Number: — Laboratory: Cancaster Labs
Shipped Via: Fedex Air bill Number: —

COMMENTS Purged on 11/14/06 and sampled on 11/15/06.

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX - RCRA Permit Sampling - Bacon, NM
PROJECT NUMBER: 441859.07.00

SAMPLE NUMBER: DB-8A WEATHER: Cloudy - 60°F
DATE: 11/15/06 TIME: 1100

SAMPLERS: Chuck Burkhardt of Parsons
of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring Well ~~MW-~~ DB-8A
Screen/Sample Depth: TD = 16.3'
Sample Method: Same as purging device

GROUNDWATER PURGING

Initial Static Water Level: 6.20

One Well Volume: 3 Volumes

2-Inch Casing:	10.1	Feet of Water x 0.16 Gallons/Foot =	1.61	Gallons	4.84
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 4.50 Gallons Purged dry
Purging Device: Poly. disposable bailer and poly. rope
Purge Water Disposition (e.g., contained): Poly. tank and transferred to waste water treatment plant onsite.

SAMPLE DESCRIPTION

Color: Clear
Odor: none
Other: none
Sample Analyzed for: 8260, 8270 and PB (total)
QC Samples at this Location: None
QC Samples Analyzed for: None

FIELD MEASUREMENTS

Temperature (~~C~~/F): 13.5 Conductivity (~~µohms/cm~~ mS/cm): 0.52
pH: 6.97 Turbidity (NTU): —
Redox = 224 mV

SAMPLE CUSTODY

Chain of Custody Number: — Laboratory: Lancaster Labs
Shipped Via: Fedex Air bill Number: —

COMMENTS Purged well on 11/14/06 and sampled on 11/15/06.

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX - RCRA Permit Sampling - Bayonne, NJ
PROJECT NUMBER: 442859.01.00

SAMPLE NUMBER: DC-1 WEATHER: Cloudy - 60°F
DATE: 11/15/06 TIME: 1030

SAMPLERS: Chuck Burkhardt of Parsons
of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring Well ~~MW~~ DC-1
Screen/Sample Depth: TD = 12.0'
Sample Method: same as purge device

GROUNDWATER PURGING

Initial Static Water Level: 3.30

One Well Volume:					3 Volumes
2-Inch Casing:	8.70	Feet of Water x 0.16 Gallons/Foot =	1.39	Gallons	4.17
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 4.20 Gallons
Purging Device: Poly. disposable bailer and poly rope.
Purge Water Disposition (e.g., contained): Poly tank and transferred to wastewater treatment plant onsite.

SAMPLE DESCRIPTION

Color: Clear
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, and PS (6010B)
QC Samples at this Location: none
QC Samples Analyzed for: none

FIELD MEASUREMENTS

Temperature (°C/F): 12.9 Conductivity (~~µohms/cm~~ S/cm): 0.72
pH: 6.15 Turbidity (NTU): —
Redox = 223 mV

SAMPLE CUSTODY

Chain of Custody Number: — Laboratory: Lancaster Labs
Shipped Via: Fdx Air bill Number: —

COMMENTS Purged well on 11/14/06 and sampled on 11/15/06.

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX - RCRA Permit Sampling - Bayou, MS
PROJECT NUMBER: 441859.07000

SAMPLE NUMBER: DC-2 WEATHER: Cloudy - 60°F
DATE: 11/15/06 TIME: 1010

SAMPLERS: Chuck Burkhardt of Parsons
of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring Well ~~MW-~~ DC-2
Screen/Sample Depth: TD = 17.5'
Sample Method: Same as purging device

GROUNDWATER PURGING

Initial Static Water Level: 2.23

One Well Volume:					3 Volumes
2-Inch Casing:	15.27	Feet of Water x 0.16 Gallons/Foot =	2.44	Gallons	7.32
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 7.20 Gallons Purged dry
Purging Device: Poly. disposable bailer and poly. rope
Purge Water Disposition (e.g., contained): Poly. tank and transferred to waste water treatment unit

SAMPLE DESCRIPTION

Color: Clear
Odor: none
Other: none
Sample Analyzed for: 8260, 8270 and PS (6010B)
QC Samples at this Location: none
QC Samples Analyzed for: none

FIELD MEASUREMENTS

Temperature (~~C/F~~): 11.5 Conductivity (~~µohms/cm~~ S/cm): 0.33
pH: 6.02 Turbidity (NTU): —
Redox = 207 mV

SAMPLE CUSTODY

Chain of Custody Number: — Laboratory: Lancaster Lab
Shipped Via: Fedex Air bill Number: —

COMMENTS Purged well on 11/14/06 and sampled on 11/15/06.

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX-RCRA Permit Sampling - Bayou, KY
PROJECT NUMBER: 441859.07000

SAMPLE NUMBER: TF-23 WEATHER: Cloudy - 60°F
DATE: 11/15/06 TIME: 0840

SAMPLERS: Chuck Berkbuecher of Parsons
of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring Well ~~MW-~~ TF-23
Screen/Sample Depth: TD=12.7'
Sample Method: Same as purging device

GROUNDWATER PURGING

Initial Static Water Level: 7.12'

One Well Volume:					3 Volumes
2-Inch Casing:	5.58'	Feet of Water x 0.16 Gallons/Foot =	0.892	Gallons	2.67
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 3 Gallons
Purging Device: poly. disposable bailer and poly. rope
Purge Water Disposition (e.g., contained): poly. tank and transfer to waste water treatment plant onsite

SAMPLE DESCRIPTION

Color: Clear
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, and PS (GRO/DRO)
QC Samples at this Location: MS/MSD
QC Samples Analyzed for: Same as above

FIELD MEASUREMENTS

Temperature (C/F): 13.0 Conductivity (~~µohms/cm~~ s/cm): 0.60
pH: 5.62 Turbidity (NTU): —
ORP = 255 mV

SAMPLE CUSTODY

Chain of Custody Number: — Laboratory: Lancaster Labs
Shipped Via: Fedex Air bill Number:

COMMENTS Purge well 11/14/06 and sample on 11/15/06

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX-RCRA Permit Sampling - Bacon, NY
PROJECT NUMBER: 441869 0700

SAMPLE NUMBER: TF-5 WEATHER: Cloudy - 60°F
DATE: 11/15/06 TIME: 0930

SAMPLERS: Chuck Burchardt of Parsons
of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring Well ~~MW-~~ TF-5
Screen/Sample Depth: 70 - 95'
Sample Method: same as purge device

GROUNDWATER PURGING

Initial Static Water Level: 6.12'

One Well Volume:					3 Volumes
2-Inch Casing:	3.38	Feet of Water x 0.16 Gallons/Foot =	0.540	Gallons	1.62
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons	
4-Inch Casing:		Feet of Water x 0.65 Gallons/Foot =		Gallons	

Volume of groundwater purged: 2.0 Gallons
Purging Device: poly. disposable bailer and poly. rope
Purge Water Disposition (e.g., contained): poly. tank and transferred to wastewater treatment plant onsite

SAMPLE DESCRIPTION

Color: clear
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, and PS (6010B)
QC Samples at this Location: duplicate (TF-105 @ 0950
QC Samples Analyzed for: same as above

FIELD MEASUREMENTS

Temperature ~~(C/F)~~: 14.9 Conductivity (~~µohms/cm~~ mS/cm): 1.32
pH: 6.15 Turbidity (NTU): ~~400~~ —
Redox = 190 mV

SAMPLE CUSTODY

Chain of Custody Number: — Laboratory: Lancaster Lab
Shipped Via: Fedex Air bill Number: —

COMMENTS Purged well on 11/14/06 and sampled on 11/15/06.

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: COX - RCRA Permit Sampling - Basin, MW
PROJECT NUMBER: 741859.0700

SAMPLE NUMBER: MW-3 WEATHER: Cloudy - 60°F
DATE: 11/15/06 TIME: 1150

SAMPLERS: Chuck Burkhardt of Parsons
of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring Well ~~MW-~~ MW-3
Screen/Sample Depth: 10-15.0
Sample Method: Same as purge device

GROUNDWATER PURGING

Initial Static Water Level: 1.90'

One Well Volume:				3 Volumes
2-Inch Casing:	~~13.10~~	Feet of Water x 0.16 Gallons/Foot =		Gallons
3-Inch Casing:		Feet of Water x 0.36 Gallons/Foot =		Gallons
4-Inch Casing:	13.10	Feet of Water x 0.65 Gallons/Foot =	8.51	Gallons 25.5

Volume of groundwater purged: 27 Gallons
Purging Device: poly. disposable bailer and poly rope
Purge Water Disposition (e.g., contained): poly. tank and transferred to waste water treatment plant onsite.

SAMPLE DESCRIPTION

Color: Clear
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, and PS CGC(B)
QC Samples at this Location: none
QC Samples Analyzed for: none

FIELD MEASUREMENTS

Temperature (~~C~~/F): 12.1 Conductivity (~~µohms/cm~~ S/cm): 0.29
pH: 7.11 Turbidity (NTU): —
Redox = 209mV

SAMPLE CUSTODY

Chain of Custody Number: — Laboratory: Lancaster Labs
Shipped Via: FedEx Air bill Number: —

COMMENTS Purged well on 11/14/06 and sampled on 11/15/06

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: COX - RCRA Permit Sampling Sampling - Barcamy
PROJECT NUMBER: 742859.07.001

SAMPLE NUMBER: OS-2 WEATHER: Cloudy - Cool
DATE: 11/15/06 TIME: 1215

SAMPLERS: Chuck Burkhardt of Parsons
of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring Well ~~MW~~ OS-2
Screen/Sample Depth: 10 - 15.0'
Sample Method: Same as purge device

GROUNDWATER PURGING

Initial Static Water Level: 5.50'

One Well Volume: 3 Volumes

2-Inch Casing:	____	Feet of Water x 0.16 Gallons/Foot =	____	Gallons	____
3-Inch Casing:	____	Feet of Water x 0.36 Gallons/Foot =	____	Gallons	____
4-Inch Casing:	9.50	Feet of Water x 0.65 Gallons/Foot =	6.17	Gallons	18.52

Volume of groundwater purged: 19 Gallons ____
Purging Device: poly disposable bailer and poly rope
Purge Water Disposition (e.g., contained): poly tank and transferred to wastewater treatment plant onsite

SAMPLE DESCRIPTION

Color: Clear
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, and PB (6010B)
QC Samples at this Location: none
QC Samples Analyzed for: None

FIELD MEASUREMENTS

Temperature (C/F): 13.6 Conductivity (~~µohms/cm~~ S/cm): 0.39
pH: 5.40 Turbidity (NTU): —
Redox = 227mV

SAMPLE CUSTODY

Chain of Custody Number: — Laboratory: Lancaster Labs
Shipped Via: Fedex Air bill Number: —

COMMENTS Purged well on 11/14/06 and sampled on 11/15/06.

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX - RCRA Permit Sampling - Bayonne, NJ
PROJECT NUMBER: 442859.07.00

SAMPLE NUMBER: OP-2 WEATHER: Cloudy - 60°F
DATE: 11/16/06 TIME: 1240

SAMPLERS: Chuck Burkhardt of Parsons
of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring Well ~~MW-~~ OP-2
Screen/Sample Depth: TD = 42.00
Sample Method: disposable poly. bailer and poly. rope

GROUNDWATER PURGING

Initial Static Water Level: 5.22

One Well Volume:					3 Volumes
2-Inch Casing:	____	Feet of Water x 0.16 Gallons/Foot =	____	Gallons	____
3-Inch Casing:	____	Feet of Water x 0.36 Gallons/Foot =	____	Gallons	____
4-Inch Casing:	36.78	Feet of Water x 0.65 Gallons/Foot =	23.90	Gallons	71.72

Volume of groundwater purged: 72 Gallons ____
Purging Device: peristaltic pump and disposable poly. tubing
Purge Water Disposition (e.g., contained): poly. tank and transferred to waste water treatment plant onsite

SAMPLE DESCRIPTION

Color: clear
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, and PB (6010B)
QC Samples at this Location: none
QC Samples Analyzed for: none

FIELD MEASUREMENTS

Temperature (~~C~~/F): 14.5 Conductivity (~~µohms/cm~~ S/cm): 0.44
pH: 6.35 Turbidity (NTU): —
Redox = 214 mV

SAMPLE CUSTODY

Chain of Custody Number: — Laboratory: Severn Trent
Shipped Via: Fedex Air bill Number: —

COMMENTS Purged and Sampled on 11/16/06.

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: CVX - RCRA Permit Sampling - Barrow, AK
PROJECT NUMBER: 441857.0700

SAMPLE NUMBER: OW-3 WEATHER: Cloudy - 60°F
DATE: 11/15/06 TIME: 0800

SAMPLERS: Chuck Berkheiser of Parsons
of Parsons

DESCRIPTION OF SAMPLING POINT

Sample Location: Monitoring Well ~~MW-~~ OW-3
Screen/Sample Depth: TD = 74.0'
Sample Method: disposable poly. bailer and poly. rope

GROUNDWATER PURGING

Initial Static Water Level: 15.94'

One Well Volume:					3 Volumes
2-Inch Casing:	____	Feet of Water x 0.16 Gallons/Foot =	____	Gallons	____
3-Inch Casing:	____	Feet of Water x 0.36 Gallons/Foot =	____	Gallons	____
4-Inch Casing:	58.06'	Feet of Water x 0.65 Gallons/Foot =	37.73	Gallons	113.20

Volume of groundwater purged: 114 Gallons ____
Purging Device: Sets peristaltic pump and poly. disposable tubing
Purge Water Disposition (e.g., contained): poly tank and transferred to wastewater treatment plant onsite

SAMPLE DESCRIPTION

Color: Clear
Odor: none
Other: none
Sample Analyzed for: 8260, 8270, and PS (6010B)
QC Samples at this Location: none
QC Samples Analyzed for: none

FIELD MEASUREMENTS

Temperature (C/F): 10.4 Conductivity (~~µohms/cm~~ S/cm): 0.60
pH: 6.63 Turbidity (NTU): —
Redox = -11 mV

SAMPLE CUSTODY

Chain of Custody Number: — Laboratory: Lancaster Labs
Shipped Via: FedEx Air bill Number: —

COMMENTS Purged well on 11/15/06 and sampled on 11/16/06

APPENDIX B

PARSONS DATA REVIEW SUMMARY REPORTS FOR JUNE AND NOVEMBER 2006 GROUNDWATER SAMPLING EVENTS

DATA REVIEW SUMMARY REPORT
for samples collected for
RCRA PERMIT GROUNDWATER SAMPLING
FORMER TEXACO RESEARCH CENTER
BEACON, NY

Data Review by: Richard Cheatham
Parsons – Denver, Colorado

INTRODUCTION

The following data review summary report covers groundwater samples and the associated field quality control (QC) samples collected as part of the RCRA permit groundwater sampling at the Former Texaco Research Center in Beacon, NY (Site ID#314004) on June 06-09, 2006. Field program quality control samples included field duplicate samples for ground waters and aqueous trip blank samples. All samples were collected by Parsons and analyzed by Lancaster Laboratories, Lancaster, PA (Lancaster) following the procedures outlined in the Addendum QAPP for Interim Corrective Action Measure, dated August 2005. Analytical results were reported in the following Lancaster Sample Delivery Group (SDG)/Sample Group, with sample groups associated with an SDG# being reported in a NYSDEC ASP Category B deliverables package: Sample Group 993100 (SDG CBN22). All samples were identified on the chain-of-custody record (COC) as being analyzed for "TCL-8260 (i.e. Volatile Organic Compounds by method SW-846 8260B), "TCL-8270 (SW846)" (i.e. Semivolatile Organic Compounds by method SW-846 8270C), and "Pb" (i.e. Lead by method SW-846 6010B). All samples were analyzed as specified on the COC. Samples were analyzed for a project-specific list of 33 VOCs (including 2-Chloroethyl vinyl ether, Trichlorofluoromethane, MTBE), 3 SVOCs, and Lead.

Data validation was performed following the procedures of, and in accordance with the requirements of the Addendum QAPP for Interim Corrective Action Measure, dated August 2005, including the procedures and data quality criteria of the USEPA Region II SOP HW-6 (CLP Organics Data Review). Table 1 summarizes the sample data that has been reviewed. Data validation qualifications are summarized on Table 2. Field duplicate sample results are summarized on Table 3 of this report.

DATA REVIEW RESULTS SUMMARY

Each sample result for all analyses for the groundwater sample analyses is considered usable for project purposes. Laboratory QC sample analyses demonstrated acceptable precision and accuracy of associated sample results, with exceptions noted in sections following. Accuracy, precision (analytical and overall), representativeness, completeness, and comparability are considered acceptable for all analyses and all sample results for the groundwater samples.

The reported result for 2-Chloroethyl vinyl ether in sample OS-2 was qualified as estimated (J) due to non-compliant matrix spike/matrix spike duplicate (MS/MSD)

recovery relative percent difference (RPD) result. All other sample results were not qualified as a result of data review and data validation.

A trip blank sample was collected and submitted with the shipment of groundwater samples. One groundwater sample, DB-8A was collected as a field duplicate pair (DB-8A/DB-108A); samples DB-8A and DB-108A were mislabeled in the field on the COC record as "DB-8B" and DB-108B", respectively. Laboratory initially reported samples based on the sample identification numbers shown on the COC record; however, the laboratory provided a report revision to report the sample results using the corrected field sample IDs. Sample OS-2 was utilized for MS/MSD analyses.

EVALUATION CRITERIA

The data submitted by the laboratory has been reviewed and validated, as specified below, following the guidelines outlined in the Addendum QAPP for Interim Corrective Action Measure, dated August 2005.

Information reviewed and evaluated as part of the validation process included sample results; calibration information (initial calibration results, continuing calibration verification), laboratory control sample results (LCS); matrix spike/matrix spike duplicate (MS/MSD) results; parent/field duplicate (FD) results; trip blank field QC samples results; method blanks; "laboratory comments"; and chain-of-custody (COC) forms.

In addition, the summarized sample analysis results for groundwater samples and associated QC sample results and QA/QC data reported in the laboratory's "analytical report" for sample OS-2 in SDG CBN22 for VOCs by Method "TCL by 8260", for SVOCs by Method "TCL Semivolatiles by 8270", and Method "Lead" (by SW6010B) were verified from the "raw" analytical data. The data packages were evaluated for deliverables completeness with reference to the project QAPP requirements.

The analyses and findings presented in this report are based on the reviewed information, and whether requirements in the Addendum QAPP were met.

Accuracy

Accuracy was evaluated using the percent recovery (%R) obtained from LCSs (blank spikes), MS, and MSD, as well as of surrogate compound recoveries for each project sample.

Precision

Analytical Precision was evaluated based on the relative percent difference (%RPD) of MS/MSD sample analysis results and of internal laboratory duplicate results.

Overall Precision (of the sampling and analysis process) was evaluated based on the relative percent difference (%RPD) of sample/field duplicate results.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the Addendum QAPP;

- Comparing actual analytical procedures to those described in the Addendum QAPP;
- Evaluating sample preservation and analytical holding times;
- Examining trip blanks for contamination of, or cross-contamination of, samples during sample handling and shipment;
- Examining laboratory blanks for cross contamination of samples during sample preparation and analysis;
- Evaluating instrument tuning and performance data;
- Evaluating initial calibration results;
- Evaluating continuing calibration verification results; and,
- Evaluating field duplicate sample results.

Completeness (laboratory completeness)

Laboratory completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data, calculating a "percent completeness" value, and comparing the "percent completeness" with the Addendum QAPP criterion of 90% for each type of analysis.

Comparability

Comparability has been evaluated by:

- Evaluating the sample analysis methods used; and,
- Confirming the use, by the laboratory, of standard reporting units and reporting formats, including for reporting of QC data.

EVALUATION RESULTS – GROUNDWATER SAMPLES

TCL VOCs

In addition, to the evaluation of accuracy, precision, representativeness, comparability, and completeness results presented in the sections following, which pertain to analyses of all groundwater samples, a "spot check" verification of the reported results for one of the groundwater samples was performed. The summarized sample analysis results for the groundwater sample OS-2 and associated QC sample results and QA/QC data reported in the laboratory's "analytical report" for SDG CBN22 "TCL by 8260" were verified from the "raw" analytical data.

Accuracy for all groundwater sample analyses is considered acceptable. Evaluation results are as follows:

- Surrogate recoveries (%R) for all project samples for Sample Group 993100 were within laboratory control limits and also within Addendum QAPP control limits for all groundwater samples.

- LCS recoveries (%R) for Sample Group 993100 were within applicable (laboratory) control limits.

- MS/MSD recoveries (%R) for Sample OS-2 analyzed in Sample Group 993100 were within applicable were within laboratory control limits and also within Addendum QAPP control limits for water samples, with the exception of 2-Chloroethyl vinyl ether for which the MSD recovery was low. Evaluation results are shown below.

Sample Group/ SDG	Sample ID	Analyte	MS/MSD %R	MS/MSD %RPD	Data Qualifier
993100/CBN22	OS-2	2-Chloroethyl vinyl ether	Ok/0	200	UJ

Analytical Precision is considered acceptable for all groundwater sample results. **Overall precision** is considered acceptable for all groundwater sample results. Evaluation results are as follows:

- MS/MSD RPD values (%R) for Sample OS-2 analyzed in Sample Group 993100 were within applicable were within laboratory control limits and also within Addendum QAPP control limits for water samples, with the exception of 2-Chloroethyl vinyl ether. Evaluation results are shown below.

Sample Group/ SDG	Sample ID	Analyte	MS/MSD %R	MS/MSD %RPD	Data Qualifier
993100/CBN22	OS-2	2-Chloroethyl vinyl ether	Ok/0	200	UJ

- Field duplicate RPD values were within laboratory control limits and also within Addendum QAPP control limits for water samples. Sample DB-8A was collected as a field duplicate and analyzed in Sample Group 993100. Sample concentrations for the duplicate pair DB-8A/DB1108A were reported as less than the PQL for all analytes with the exception of Trichloroethene. Field duplicate results are summarized on Table 3.

Representativeness is considered acceptable for all groundwater sample results. Evaluation results are as follows:

- Sample preservation requirements, as specified in the Addendum QAPP were met for all groundwater samples; sample pH<2. Cooler temperature at time of sample receipt by laboratory <4°C.

- Analytical holding time for Sample Group 993100, as specified in the Addendum QAPP, was met for all groundwater sample analyses.

- Trip blank associated with Sample Group 993100 was free of any target analyte at a detectable concentration.

- The method blank associated with Sample Group 993100 was free of any target analyte at a detectable concentration.

- The samples were analyzed using the methods specified in the Addendum QAPP.

- GC/MS instrument performance check (BFB ion abundance criteria) met acceptance criteria.

- Internal standard area counts and retention times met acceptance criteria.

- Continuing calibration verification (CCV) results met the acceptance criterion of "<25%D".

Completeness is considered acceptable for all groundwater sample results. All sample results are considered as usable for project purposes in accordance with Addendum QAPP specifications.

Comparability is considered acceptable for all groundwater sample results. The samples were analyzed using the methods specified in the Addendum QAPP and data, including QC results, were reported using industry-standard reporting units and reporting formats.

TCL SEMIVOLATILES

In addition, to the evaluation of accuracy, precision, representativeness, comparability, and completeness results presented in the sections following, which pertain to analyses of all groundwater samples, verification of the reported results for the groundwater sample OS-2 was performed. The summarized sample analysis results for the groundwater sample OS-2 and associated QC sample results and QA/QC data reported in the laboratory's "analytical report" for SDG CBN22 for Semivolatiles by Method "TCL Semivolatile by 8270 were verified from the "raw" analytical data.

Accuracy for all groundwater sample analyses is considered acceptable. Evaluation results are as follows:

- Surrogate recoveries (%R) for all project samples for Sample Group 993100 were within laboratory control limits and also within Addendum QAPP control limits for all groundwater samples.

- LCS recoveries (%R) for Sample Group 993100 were within applicable (laboratory) control limits.

- MS/MSD recoveries (%R) for Sample OS-2 analyzed in Sample Group 993100 were within applicable were within laboratory control limits and also within Addendum QAPP control limits for water samples.

Analytical Precision is considered acceptable for all groundwater sample results. **Overall precision** is considered acceptable for all groundwater sample results. Evaluation results are as follows:

- LCS/LCSD RPD values for Sample Group 993100 were within applicable laboratory control limits.

- MS/MSD RPD values for Sample OS-2 analyzed in Sample Group 993100 were within applicable were within laboratory control limits and also within Addendum QAPP control limits for water samples.

- Field duplicate RPD values were within laboratory control limits and also within Addendum QAPP control limits for water samples. Sample DB-8A was collected as a field duplicate and analyzed in Sample Group 993100. All sample concentrations for the duplicate pair DB-8A/DB-108A were reported as less than the PQL. Field duplicate results are summarized on Table 3.

Representativeness is considered acceptable for all groundwater sample results. Evaluation results are as follows:

- Sample preservation requirements, as specified in the Addendum QAPP were met for all groundwater samples. Cooler temperature at time of sample receipt by laboratory <4°C.

- Analytical holding times for Sample Group 993100, as specified in the Addendum QAPP, were met for all groundwater sample analyses.

- The method blank associated with Sample Group 993100 was free of any target analyte at a detectable concentration.

- The samples were analyzed using the methods specified in the Addendum QAPP.

- GC/MS instrument performance check (DFTPP ion abundance criteria) met acceptance criteria.

- Internal standard area counts and retention times met acceptance criteria.

- Initial calibration met acceptance criteria.

- Initial calibration verification met acceptance criteria.

- Continuing calibration verification (CCV) results met the acceptance criterion of "<25%D".

Completeness is considered acceptable for all groundwater sample results. All sample results are considered as usable for project purposes in accordance with Addendum QAPP specifications.

Comparability is considered acceptable for all groundwater sample results. The samples were analyzed using the methods specified in the Addendum QAPP and data, including QC results, were reported using industry-standard reporting units and reporting

formats. The reported 4-methylphenol values are a combination of results of 3-Methylphenol and 4-Methylphenol, which cannot be resolved under the chromatographic conditions used for analysis.

LEAD

In addition, to the evaluation of accuracy, precision, representativeness, comparability, and completeness results presented in the sections following, which pertain to analyses of all groundwater samples, verification of the reported results for the groundwater sample OS-2 was performed. The summarized sample analysis results for the groundwater sample OS-2 and associated QC sample results and QA/QC data reported in the laboratory's "analytical report" for SDG CBN22 for Lead by Method 6010B were verified from the "raw" analytical data.

Accuracy for all groundwater sample analyses is considered acceptable. Evaluation results are as follows:

- LCS recoveries (%R) for Sample Group 993100 were within applicable (laboratory) control limits.

- MS/MSD recoveries (%R) for Sample OS-2 analyzed in Sample Group 993100 were within applicable were within laboratory control limits and also within Addendum QAPP control limits for water samples.

Analytical Precision is considered acceptable for all groundwater sample results. **Overall precision** is considered acceptable for all groundwater sample results. Evaluation results are as follows:

- MS/MSD RPD values for Sample OS-2 analyzed in Sample Group 993100 were within applicable were within laboratory control limits and also within Addendum QAPP control limits for water samples.

- Laboratory duplicate sample RPD value (59%) for Sample OS-2 analyzed in Sample Group 993100 was higher than laboratory control limit (20%), but the sample results were reported as "Not Detected" so sample/sample duplicate RPD result is not applicable..

- Field duplicate RPD values were within laboratory control limits and also within Addendum QAPP control limits for water samples. Sample DB-8A was collected as a field duplicate and analyzed in Sample Group 993100. The sample concentration for the duplicate pair DB-8A/DB-108A was reported as "Not Detected". Field duplicate results are summarized on Table 3.

Representativeness is considered acceptable for all groundwater sample results. Evaluation results are as follows:

- Sample preservation requirements, as specified in the Addendum QAPP were met for all groundwater samples. Cooler temperature at time of sample receipt by laboratory <4°C.

- Analytical holding time for Sample Group 993100, as specified in the Addendum QAPP, was met for all groundwater sample analyses.

- The method blank associated with Sample Group 993100 was free of any target analyte at a detectable concentration.

- The samples were analyzed using the methods specified in the Addendum QAPP.

- Initial calibration met acceptance criteria.

- Initial calibration verification met acceptance criteria.

- Continuing calibration verification (CCV) results met the acceptance criterion of "<25%D".

Completeness is considered acceptable for all groundwater sample results. All sample results are considered as usable for project purposes in accordance with Addendum QAPP specifications.

Comparability is considered acceptable for all groundwater sample results. The samples were analyzed using the methods specified in the Addendum QAPP and data, including QC results, were reported using industry-standard reporting units and reporting formats.

DELIVERABLES (DATA PACKAGE) COMPLETENESS AND COMPLIANCE

Deliverables Completeness is considered acceptable. The data for the groundwater samples were reported in NYSDEC ASP Category B (type) deliverables package identified as SDG CBN22. This package contained all sample COC forms, case narratives including sample/analysis summary forms, QA/QC summaries with supporting documentation, relevant calibration data, instrument and method performance data, documentation of the laboratories ability to attain the method detection limits for target analytes in required matrices, data report forms with examples of calculations, and raw data.

Deliverables Compliance is considered acceptable.

The data was produced and reported consistent with the amended QAPP and the requested data package deliverables, protocol-required QA/QC criteria were met, and problems encountered during the analytical process and actions taken to correct the problems were reported in the data packages.

TABLE 1 – VALIDATED SAMPLES AND ANALYSES PERFORMED

Parsons Field Sample ID	Sample Date	Lancaster Sample Group	Lancaster Sample #	Lancaster SDG# (NYSDEC ASP Category B Data Package)	VOCs (SW8260B)	TCL-VOCs (SW8260B)	TCL-SVOCs (SW8270C)
TF-5	06/06/06	993100	4791555	CBN23	X	X	X
TF-23	06/06/06	993100	4791555	CBN23	X	X	
TF-23	06/07/06	993100	4791557	CBN23			X
DC-2	06/08/06	993100	4791558	CBN23	X	X	X
DC-1	06/08/06	993100	4791559	CBN23	X	X	X
DB-8A (misidentified on the COC record as "DB-8B")	06/08/06	993100	4791560	CBN23	X	X	X
DB-108A (misidentified on the COC record as "DB-108B")	06/08/06	993100	4791561	CBN23	X	X	X
DB-17A	06/08/06	993100	4791562	CBN23	X	X	X
OS-2	06/09/06	993100	4791563	CBN23	X	X	X
TRIP BLANK #1	-	993100	4791567	CBN23	X		
OR-2	06/09/06	993100	4791568	CBN23	X	X	X
OS-3	06/09/06	993100	4791569	CBN23	X	X	X
OR-3	06/09/06	993100	4791570	CBN23	X	X	X

TABLE 2

DATA VALIDATION DATA QUALIFIERS AND DATA FLAG CHANGES

Sample ID	Sample Date	Sample Group/ SDG	Lab ID	ANALYTE	Reported Concentration (ug/L)	Old Flag (lab flag)	New Flag (Data Qualifier)	Final Q (summary)	Reason
OS-2	06/09/2006	993100/ CBN22	4791563	2-Chloroethyl vinyl ether	ND	ND	J	UJ	MSD %R/RPD

TABLE 3 – FIELD DUPLICATE SAMPLE RESULTS

Sample Matrix	Analyte	Collection Date	Field Sample ID	Field Sample Value	PQL*	Replicate Sample ID	Replicate Sample Value	RL	RPD**
GW	ALL ANALYTES, except TCE	06/08/06	DB-8A	ND		DB-108A	ND		n/a
GW	Trichloroethene	06/08/06	DB-8A	13		DB-108A	14		7.5
GW	ALL SVOC ANALYTES	06/08/06	DB-8A	ND		DB-108A	ND		n/a
GW	Lead	06/08/06	DB-8A	ND		DB-108A	ND		n/a

*PQL = RL

**RPD calculated only if both results >PQL.

DATA REVIEW SUMMARY REPORT
for samples collected for
RCRA PERMIT GROUNDWATER SAMPLING
FORMER TEXACO RESEARCH CENTER
BEACON, NY

Data Review by: Richard Cheatham
Parsons – Denver, Colorado

INTRODUCTION

The following data review summary report covers groundwater samples and the associated field quality control (QC) samples collected as part of the RCRA permit groundwater sampling at the Former Texaco Research Center in Beacon, NY (Site ID#314004) on November 15-16, 2006. Field program quality control samples included field duplicate samples for ground waters and aqueous trip blank samples. All samples were collected by Parsons and analyzed by Lancaster Laboratories, Lancaster, PA (Lancaster) following the procedures outlined in the Addendum QAPP for Interim Corrective Action Measure, dated August 2005. Analytical results were reported in the following Lancaster Sample Delivery Group (SDG)/Sample Group, with sample groups associated with an SDG# being reported in a NYSDEC ASP Category B deliverables package: Sample Group 1014759 (SDG CBN36). All samples were identified on the chain-of-custody record (COC) as being analyzed for "TCL-8260 (i.e. Volatile Organic Compounds by method SW-846 8260B), "TCL-8270 (SW846)" (i.e. Semivolatile Organic Compounds by method SW-846 8270C), and "Pb" (i.e. Lead by method SW-846 6010B). All samples were analyzed as specified on the COC. Samples were analyzed for a project-specific list of 33 VOCs (including 2-Chloroethyl vinyl ether, Trichlorofluoromethane, MTBE), 3 SVOCs, and Lead.

Data validation was performed following the procedures of, and in accordance with the requirements of the Addendum QAPP for Interim Corrective Action Measure, dated August 2005, including the procedures and data quality criteria of the USEPA Region II SOP HW-6 (CLP Organics Data Review). Table 1 summarizes the sample data that has been reviewed. Data validation qualifications are summarized on Table 2. Field duplicate sample results are summarized on Table 3 of this report.

DATA REVIEW RESULTS SUMMARY

Each sample result for all analyses for the groundwater sample analyses is considered usable for project purposes. Laboratory QC sample analyses demonstrated acceptable precision and accuracy of associated sample results, with exceptions noted in sections following. Accuracy, precision (analytical and overall), representativeness, completeness, and comparability are considered acceptable for all analyses and all sample results for the groundwater samples.

The reported result for 2-Chloroethyl vinyl ether in sample TF-23 was qualified as rejected (R) due to non-compliant matrix spike/matrix spike duplicate (MS/MSD) recovery (%R) results. Chloromethane and Chloroethane results were qualified as

estimated (J) in all groundwater samples due to non-compliant continuing calibration verification (CCV) percent difference (%D). Hexachlorobutadiene results were qualified as estimated (J) in all groundwater samples due to non-compliant continuing calibration verification (CCV) percent difference (%D). All other sample results were not qualified as a result of data review and data validation.

A trip blank sample and an equipment blank sample were collected and submitted with the shipment of groundwater samples. The trip blank was analyzed for VOCs only, whereas the equipment blank was analyzed for all parameters. One groundwater sample, DB-8A was collected as a field duplicate pair (TF-05/TF-105). Sample TF-23 was utilized for MS/MSD analyses.

EVALUATION CRITERIA

The data submitted by the laboratory has been reviewed and validated, as specified below, following the guidelines outlined in the Addendum QAPP for Interim Corrective Action Measure, dated August 2005.

Information reviewed and evaluated as part of the validation process included sample results; calibration information (initial calibration results, continuing calibration verification), laboratory control sample results (LCS); matrix spike/matrix spike duplicate (MS/MSD) results; parent/field duplicate (FD) results; trip blank field QC samples results; method blanks; "laboratory comments"; and chain-of-custody (COC) forms.

In addition, the summarized sample analysis results for groundwater samples and associated QC sample results and QA/QC data reported in the laboratory's "analytical report" for sample OS-2 in SDG CBN22 for VOCs by Method "TCL by 8260", for SVOCs by Method "TCL Semivolatiles by 8270", and Method "Lead" (by SW6010B) were verified from the "raw" analytical data. The data packages were evaluated for deliverables completeness with reference to the project QAPP requirements.

The analyses and findings presented in this report are based on the reviewed information, and whether requirements in the Addendum QAPP were met.

Accuracy

Accuracy was evaluated using the percent recovery (%R) obtained from LCSs (blank spikes), MS, and MSD, as well as of surrogate compound recoveries for each project sample.

Precision

Analytical Precision was evaluated based on the relative percent difference (%RPD) of MS/MSD sample analysis results and of internal laboratory duplicate results.

Overall Precision (of the sampling and analysis process) was evaluated based on the relative percent difference (%RPD) of sample/field duplicate results.

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represents actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the Addendum QAPP;

- Comparing actual analytical procedures to those described in the Addendum QAPP;
- Evaluating sample preservation and analytical holding times;
- Examining trip blanks for contamination of, or cross-contamination of, samples during sample handling and shipment;
- Examining laboratory blanks for cross contamination of samples during sample preparation and analysis;
- Evaluating instrument tuning and performance data;
- Evaluating initial calibration results;
- Evaluating continuing calibration verification results; and,
- Evaluating field duplicate sample results.

Completeness (laboratory completeness)

Laboratory completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data, calculating a "percent completeness" value, and comparing the "percent completeness" with the Addendum QAPP criterion of 90% for each type of analysis.

Comparability

Comparability has been evaluated by:

- Evaluating the sample analysis methods used; and,
- Confirming the use, by the laboratory, of standard reporting units and reporting formats, including for reporting of QC data.

EVALUATION RESULTS – GROUNDWATER SAMPLES

TCL VOCs

In addition, to the evaluation of accuracy, precision, representativeness, comparability, and completeness results presented in the sections following, which pertain to analyses of all groundwater samples, a "spot check" verification of the reported results for one of the groundwater samples was performed. The summarized sample analysis results for the groundwater sample TF-23 and associated QC sample results and QA/QC data reported in the laboratory's "analytical report" for SDG CBN36 "TCL by 8260" were verified from the "raw" analytical data.

Accuracy for all groundwater sample analyses is considered acceptable. Evaluation results are as follows:

- Surrogate recoveries (%R) for all project samples for Sample Group 1014759 were within laboratory control limits and also within Addendum QAPP control limits for all groundwater samples.

- LCS recoveries (%R) for Sample Group 1014759 were within applicable (laboratory) control limits.

- MS/MSD recoveries (%R) for Sample TF-23 analyzed in Sample Group 1014759 were within applicable were within laboratory control limits and also within Addendum QAPP control limits for water samples, with the exception of 2-Chloroethyl vinyl ether for which the MSD recovery was low. Evaluation results are shown below.

Sample Group/ SDG	Sample ID	Analyte	MS/MSD %R	MS/MSD %RPD	Data Qualifier
1014759/CBN36	TF-23	2-Chloroethyl vinyl ether	0/0	n/a	R

Analytical Precision is considered acceptable for all groundwater sample results. **Overall precision** is considered acceptable for all groundwater sample results. Evaluation results are as follows:

- MS/MSD RPD values (%R) for Sample TF-23 analyzed in Sample Group 1014759 were within applicable were within laboratory control limits and also within Addendum QAPP control limits for water sample.

- Field duplicate RPD values were within laboratory control limits and also within Addendum QAPP control limits for water samples. Sample TF-105 was collected as a field duplicate of TF-05 and analyzed in Sample Group 1014759. Sample concentrations for the duplicate pair TF-05/TF-105 were reported as less than the PQL for all analytes with the exception of Trichloroethene. Field duplicate results are summarized on Table 3.

Representativeness is considered acceptable for all groundwater sample results. Evaluation results are as follows:

- Sample preservation requirements, as specified in the Addendum QAPP were met for all groundwater samples; sample pH<2. Cooler temperature at time of sample receipt by laboratory <4°C.
- Analytical holding time for Sample Group 1014759, as specified in the Addendum QAPP, was met for all groundwater sample analyses.
- Trip blank associated with Sample Group 993100 was free of any target analyte at a detectable concentration.
- Equipment blank associated with Sample Group 1014759 was free of any target analyte at a detectable concentration.
- The method blank associated with Sample Group1014759 was free of any target analyte at a detectable concentration.
- The samples were analyzed using the methods specified in the Addendum QAPP.
- GC/MS instrument performance check (BFB ion abundance criteria) met acceptance criteria.

- Internal standard area counts and retention times met acceptance criteria.
- Continuing calibration verification (CCV) results met the acceptance criterion of "<20%D", with exceptions shown below.

Sample Group/SDG	Target Analyte	%D	Samples Affected	Data Qualifier
1014759/CBN36	Chloromethane	35	All, but TB	UJ
1014759/CBN36	Chloroethane	25	All, but TB	UJ

Completeness is considered acceptable for groundwater sample results. The completeness percentage is >99%. Sample results are considered as usable for project purposes in accordance with Addendum QAPP specifications, with the exception of 2-Chloroethyl vinyl ether in sample TF-23.

Comparability is considered acceptable for all groundwater sample results. The samples were analyzed using the methods specified in the Addendum QAPP and data, including QC results, were reported using industry-standard reporting units and reporting formats.

TCL SEMIVOLATILES

In addition, to the evaluation of accuracy, precision, representativeness, comparability, and completeness results presented in the sections following, which pertain to analyses of all groundwater samples, verification of the reported results for the groundwater sample TF-23 was performed. The summarized sample analysis results for the groundwater sample TF-23 and associated QC sample results and QA/QC data reported in the laboratory's "analytical report" for SDG CBN36 for Semivolatiles by Method "TCL Semivolatile by 8270 were verified from the "raw" analytical data.

Accuracy for all groundwater sample analyses is considered acceptable. Evaluation results are as follows:

- Surrogate recoveries (%R) for all project samples for Sample Group 1014759 were within laboratory control limits and also within Addendum QAPP control limits for all groundwater samples.
- LCS recoveries (%R) for Sample Group 1014759 were within applicable (laboratory) control limits.
- MS/MSD recoveries (%R) for Sample TF-23 analyzed in Sample Group 1014759 were within applicable were within laboratory control limits and also within Addendum QAPP control limits for water samples.

Analytical Precision is considered acceptable for all groundwater sample results. **Overall precision** is considered acceptable for all groundwater sample results. Evaluation results are as follows:

- LCS/LCSD RPD values for Sample Group 1014759 were within applicable laboratory control limits.

- MS/MSD RPD values for Sample TF-23 analyzed in Sample Group 1014759 were within applicable were within laboratory control limits and also within Addendum QAPP control limits for water samples.
- Field duplicate RPD values were within laboratory control limits and also within Addendum QAPP control limits for water samples. Sample TF-105 was collected as a field duplicate of TF-05 and analyzed in Sample Group 1014759. All sample concentrations for the duplicate pair TF-05/TF-105 were reported as less than the PQL. Field duplicate results are summarized on Table 3.

Representativeness is considered acceptable for all groundwater sample results. Evaluation results are as follows:

- Sample preservation requirements, as specified in the Addendum QAPP were met for all groundwater samples. Cooler temperature at time of sample receipt by laboratory <4°C.
- Analytical holding times for Sample Group 1014759, as specified in the Addendum QAPP, were met for all groundwater sample analyses.
- Equipment blank associated with Sample Group 1014759 was free of any target analyte at a detectable concentration.
- The method blank associated with Sample Group 1014759 was free of any target analyte at a detectable concentration.
- The samples were analyzed using the methods specified in the Addendum QAPP.
- GC/MS instrument performance check (DFTPP ion abundance criteria) met acceptance criteria.
- Internal standard area counts and retention times met acceptance criteria.
- Initial calibration met acceptance criteria.
- Initial calibration verification met acceptance criteria.
- Continuing calibration verification (CCV) results met the acceptance criterion of "<20%D", with the exceptions shown below

Sample Group/SDG	Target Analyte	%D	Samples Affected	Data Qualifier
1014759/CBN36	Hexachlorocyclopentadiene	-31	All	UJ

Completeness is considered acceptable for all groundwater sample results. All sample results are considered as usable for project purposes in accordance with Addendum QAPP specifications.

Comparability is considered acceptable for all groundwater sample results. The samples were analyzed using the methods specified in the Addendum QAPP and data, including QC results, were reported using industry-standard reporting units and reporting formats. The reported 4-methylphenol values are a combination of results of 3-

Methylphenol and 4-Methylphenol, which cannot be resolved under the chromatographic conditions used for analysis.

LEAD

In addition, to the evaluation of accuracy, precision, representativeness, comparability, and completeness results presented in the sections following, which pertain to analyses of all groundwater samples, verification of the reported results for the groundwater sample TF-23 was performed. The summarized sample analysis results for the groundwater sample TF-23 and associated QC sample results and QA/QC data reported in the laboratory's "analytical report" for SDG CB36 for Lead by Method 6010B were verified from the "raw" analytical data.

Accuracy for all groundwater sample analyses is considered acceptable. Evaluation results are as follows:

- LCS recoveries (%R) for Sample Group 1014759 were within applicable (laboratory) control limits.
- MS/MSD recoveries (%R) for Sample TF-23 analyzed in Sample Group1014759 were within applicable were within laboratory control limits and also within Addendum QAPP control limits for water samples.

Analytical Precision is considered acceptable for all groundwater sample results. **Overall precision** is considered acceptable for all groundwater sample results. Evaluation results are as follows:

- MS/MSD RPD values for Sample TF-23 analyzed in Sample Group 1014759 were within applicable were within laboratory control limits and also within Addendum QAPP control limits for water samples.
- Laboratory duplicate sample RPD value for Sample TF-23 analyzed in Sample Group 1014759 were within laboratory control limits and also within Addendum QAPP control limits for water samples.
- Field duplicate RPD values were within laboratory control limits and also within Addendum QAPP control limits for water samples. Sample TF-105 was collected as a field duplicate of TF-05 and analyzed in Sample Group 1014759 The sample concentration for the duplicate pair TF-05/TF-105 was reported as "Not Detected". Field duplicate results are summarized on Table 3.

Representativeness is considered acceptable for all groundwater sample results. Evaluation results are as follows:

- Sample preservation requirements, as specified in the Addendum QAPP were met for all groundwater samples. Cooler temperature at time of sample receipt by laboratory <4°C.
- Analytical holding time for Sample Group 1014759, as specified in the Addendum QAPP, was met for all groundwater sample analyses.

- Equipment blank associated with Sample Group 1014759 was free of any target analyte at a detectable concentration.
- The method blank associated with Sample Group 1014759 was free of any target analyte at a detectable concentration.
- The samples were analyzed using the methods specified in the Addendum QAPP.
- Initial calibration met acceptance criteria.
- Initial calibration verification met acceptance criteria.
- Continuing calibration verification (CCV) results met the acceptance criterion of "<20%D".

Completeness is considered acceptable for all groundwater sample results. All sample results are considered as usable for project purposes in accordance with Addendum QAPP specifications.

Comparability is considered acceptable for all groundwater sample results. The samples were analyzed using the methods specified in the Addendum QAPP and data, including QC results, were reported using industry-standard reporting units and reporting formats.

DELIVERABLES (DATA PACKAGE) COMPLETENESS AND COMPLIANCE

Deliverables Completeness is considered acceptable. The data for the groundwater samples were reported in NYSDEC ASP Category B (type) deliverables package identified as SDG CBN36. This package contained all sample COC forms, case narratives including sample/analysis summary forms, QA/QC summaries with supporting documentation, relevant calibration data, instrument and method performance data, documentation of the laboratories ability to attain the method detection limits for target analytes in required matrices, data report forms with examples of calculations, and raw data.

Deliverables Compliance is considered acceptable.

The data was produced and reported consistent with the amended QAPP and the requested data package deliverables, protocol-required QA/QC criteria were met, and problems encountered during the analytical process and actions taken to correct the problems were reported in the data packages.

TABLE 1 – VALIDATED SAMPLES AND ANALYSES PERFORMED

Parsons Field Sample ID	Sample Date	Lancaster Sample Group	Lancaster Sample #	Lancaster SDG# (NYSDEC ASP Category B Data Package)	VOCs (SW8260B)	TCL-VOCs (SW8260B)	TCL-SVOCs (SW8270C)
EQUBL	11/15/06	1014759	4919105	CBN36	X	X	X
TF-23	11/15/06	1014759	4919106	CBN36	X	X	
TF-05	11/15/06	1014759	4919110	CBN36			X
TF-105	11/15/06	1014759	4919111	CBN36	X	X	X
DC-02	11/15/06	1014759	4919112	CBN36	X	X	X
DC-01	11/15/06	1014759	4919113	CBN36	X	X	X
DB-8A	11/15/06	1014759	4919114	CBN36	X	X	X
DB-17	11/15/06	1014759	4919115	CBN36	X	X	X
OS-3	11/15/06	1014759	4919116	CBN36	X	X	X
OS-2	11/15/06	1014759	4919117	CBN36	X	X	X
OR-2	11/16/06	1014759	4919118	CBN36	X	X	X
OR-3	11/16/06	1014759	4919119	CBN36	X	X	X
TRIP BLANK #1	-	1014759	4919120	CBN36	X		

TABLE 2

DATA VALIDATION DATA QUALIFIERS AND DATA FLAG CHANGES

Sample ID	Sample Date	Sample Group/ SDG	Lab ID	ANALYTE	Reported Concentration (ug/L)	Old Flag (lab flag)	New Flag (Data Qualifier)	Final Q (summary)	Reason
TF-23	11/15/2006	1014759/ CBN36	4919106	2-Chloroethyl vinyl ether	ND	ND	R	R	MSD %R/RPD
TF-23	11/15/06	1014759/ CBN36	4919106	Chloromethane	ND	ND	J	UJ	CCV %D
TF-05	11/15/06	1014759/ CBN36	4919110	Chloromethane	ND	ND	J	UJ	CCV %D
TF-105	11/15/06	1014759/ CBN36	4919111	Chloromethane	ND	ND	J	UJ	CCV %D
DC-02	11/15/06	1014759/ CBN36	4919112	Chloromethane	ND	ND	J	UJ	CCV %D
DC-01	11/15/06	1014759/ CBN36	4919113	Chloromethane	ND	ND	J	UJ	CCV %D
DB-8A	11/15/06	1014759/ CBN36	4919114	Chloromethane	ND	ND	J	UJ	CCV %D
DB-17	11/15/06	1014759/ CBN36	4919115	Chloromethane	ND	ND	J	UJ	CCV %D
OS-3	11/15/06	1014759/ CBN36	4919116	Chloromethane	ND	ND	J	UJ	CCV %D
OS-2	11/15/06	1014759/ CBN36	4919117	Chloromethane	ND	ND	J	UJ	CCV %D
OR-2	11/16/06	1014759/ CBN36	4919118	Chloromethane	ND	ND	J	UJ	CCV %D
OR-3	11/16/06	1014759/ CBN36	4919119	Chloromethane	ND	ND	J	UJ	CCV %D
TF-23	11/15/06	1014759/ CBN36	4919106	Chloroethane	ND	ND	J	UJ	CCV %D
TF-05	11/15/06	1014759/ CBN36	4919110	Chloroethane	ND	ND	J	UJ	CCV %D

TF-105	11/15/06	1014759/ CBN36	4919111	Chloroethane	ND	ND	J	UJ	CCV %D
DC-02	11/15/06	1014759/ CBN36	4919112	Chloroethane	ND	ND	J	UJ	CCV %D
DC-01	11/15/06	1014759/ CBN36	4919113	Chloroethane	ND	ND	J	UJ	CCV %D
DB-8A	11/15/06	1014759/ CBN36	4919114	Chloroethane	ND	ND	J	UJ	CCV %D
DB-17	11/15/06	1014759/ CBN36	4919115	Chloroethane	ND	ND	J	UJ	CCV %D
OS-3	11/15/06	1014759/ CBN36	4919116	Chloroethane	ND	ND	J	UJ	CCV %D
OS-2	11/15/06	1014759/ CBN36	4919117	Chloroethane	ND	ND	J	UJ	CCV %D
OR-2	11/16/06	1014759/ CBN36	4919118	Chloroethane	ND	ND	J	UJ	CCV %D
OR-3	11/16/06	1014759/ CBN36	4919119	Chloroethane	ND	ND	J	UJ	CCV %D
TF-23	11/15/06	1014759/ CBN36	4919106	Hexachlorocyclopentadiene	ND	ND	J	UJ	CCV %D
TF-05	11/15/06	1014759/ CBN36	4919110	Hexachlorocyclopentadiene	ND	ND	J	UJ	CCV %D
TF-105	11/15/06	1014759/ CBN36	4919111	Hexachlorocyclopentadiene	ND	ND	J	UJ	CCV %D
DC-02	11/15/06	1014759/ CBN36	4919112	Hexachlorocyclopentadiene	ND	ND	J	UJ	CCV %D
DC-01	11/15/06	1014759/ CBN36	4919113	Hexachlorocyclopentadiene	ND	ND	J	UJ	CCV %D
DB-8A	11/15/06	1014759/ CBN36	4919114	Hexachlorocyclopentadiene	ND	ND	J	UJ	CCV %D
DB-17	11/15/06	1014759/ CBN36	4919115	Hexachlorocyclopentadiene	ND	ND	J	UJ	CCV %D
OS-3	11/15/06	1014759/ CBN36	4919116	Hexachlorocyclopentadiene	ND	ND	J	UJ	CCV %D
OS-2	11/15/06	1014759/ CBN36	4919117	Hexachlorocyclopentadiene	ND	ND	J	UJ	CCV %D

OR-2	11/16/06	1014759/ CBN36	4919118	Hexachlorocyclopentadiene	ND	ND	J	UJ	CCV %D
OR-3	11/16/06	1014759/ CBN36	4919119	Hexachlorocyclopentadiene	ND	ND	J	UJ	CCV %D

TABLE 3 – FIELD DUPLICATE SAMPLE RESULTS

Sample Matrix	Analyte	Collection Date	Field Sample ID	Field Sample Value	PQL*	Replicate Sample ID	Replicate Sample Value	RL	RPD**
GW	ALL VOC analytes	11/15/06	TF-05	ND		TF-105	ND		n/a
GW	ALL SVOC ANALYTES	11/15/06	TF-05	ND		TF-105	ND		n/a
GW	Lead	11/15/06	TF-05	0.0083		TF-105	0.0070	0.0069 mg/L	n/a

*PQL = RL

**RPD calculated only if both results >PQL.

APPENDIX C

LABORATORY ANALYTICAL RESULTS WITH CHAIN-OF-CUSTODIES (ANALYTICAL REPORTS ON DISK)

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NYSDEC ASP Category B Data Package
for
Chevron Environmental Mgmt.

SDG# CBN23

Project: Beacon - NY
Water Samples
Collected on 06/06/06-06/09/06
Sample No. 4791555-4791570

PA Cert. # 36-037
NY Cert. # 10670
NJ Cert. # PA011
NC Cert. # 521

Prepared by Samantha L. Sande

Reviewed by Grace Salm

Date 7-6-06 @ 1190 7-6-06

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Table of Contents for SDG# CBN23

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Sample Reference List for SDG Number CBN23
with a Data Package Type of NYSDEC B
11387 - Chevron Environmental Mgmt.
Project: Beacon - NY

Lab Sample Number	Lab Sample Code	Client Sample Description
4791555	-TF5-	TF-5 Grab Water Sample
4791556	-TF23	TF-23 Grab Water Sample
4791557	MTF23	TF-23 Grab Water Sample
4791558	-DC2-	DC-2 Grab Water Sample
4791559	-DC1-	DC-1 Grab Water Sample
4791560	DB8B-	DB-8B Grab Water Sample
4791561	DB108	DB-108B Grab Water Sample
4791562	DB17-	DB-17 Grab Water Sample
4791563	OS2--	OS-2 Unspiked Grab Water Sample
4791564	OS2--	OS-2_MS Matrix Spike Grab Water Sample
4791565	OS2--	OS-2_MSD Matrix Spike Dup. Grab Water Sample
4791566	OS2--	OS-2_DUP Duplicate Grab Water Sample
4791567	TB1RC	Trip_Blank #1 Water Sample
4791568	OR2--	OR-2 Grab Water Sample
4791569	OS3--	OS-3 Grab Water Sample
4791570	OR3--	OR-3 Grab Water Sample

Analysis Request/ Environmental Services Chain of Custody

Lancaster Laboratories

For Lancaster Laboratories use only
Acct. # 11387 Group# 993100 Sample # 4791555-70

page 1 of 2

COC # 0121883

temp 2.3-3.7°C

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: Parsons / Chevron
Project Name/#: Chevron, Beacon, NY RCRA Sampling (Jun 2006)
Project Manager: Craig F. Butler
Sampler: Ed Ashton
Name of state where samples were collected: NY
Acct. #:
PWSID #:
P.O.#:
Quote #:

(4) (5)

For Lab Use Only
FSC:
SCR #:

(6) Remarks (include)

(2)			(3)						TCL-SZSO	TCL-8270 CSM8946	96							
TF-5	6/6/06	1615	✓			✓		6	✓	✓	✓							Please list 2-chloro-ethyl vinylether and Trichlorofluoromethane in 8260 and 8255. Also, include MTBE
TF-23	6/6/06	1645	✓			✓		5	✓	✓								
TF-23	6/7/06	0800	✓			✓		1			✓							
DC-2	6/8/06	0800	✓			✓		6	✓	✓	✓							
DC-1	6/8/06	0830	✓			✓		6	✓	✓	✓							
DB-8B	6/8/06	0845	✓			✓		6	✓	✓	✓							
DB-108B	6/8/06	0850	✓			✓		6	✓	✓	✓							
DB-17	6/8/06	0900	✓			✓		6	✓	✓	✓							
OS-2	6/9/06	1150	✓			✓		6	✓	✓	✓							
Trip Blank #1	—	—	—			✓		2	✓									

(7) **Turnaround Time Requested** (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone Fax E-mail
Phone #: 315-451-9560 Fax #: 315-451-9570
E-mail address: edward.j.ashton@parsons.com

(8) **Data Package Options** (please circle if required)
QC Summary — Type VI (Raw Data)
Type I (Tier I) — GLP
Type II (Tier II) — Other
Type III (NJ Red. Del.)
Type IV (CLP)
SDG Complete? Yes No
Site-specific QC required? Yes No
(If yes, indicate QC sample and submit triplicate volume.)
Internal Chain of Custody required? Yes No

ASP Cat. B Data Package

(9) Relinquished by:	Date	Time	Received by:	Date	Time
	6/9/06	1600			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
				6/10/06	1015

Analysis Request/ Environmental Services Chain of Custody

page 2 of 2

Lancaster Laboratories

For Lancaster Laboratories use only

Acct. # 11387 Group# 993106 Sample # 4791555-70

COC # 0121884

temp 2.3 -3.7°C

Please print. Instructions on reverse side correspond with circled numbers.

(1) Client: Parsons / Chevron Acct. #:

Project Name/#: Chevron, Bolton, NY RCRA Sampling (Wave 2 2006) PWSID #:

Project Manager: Craig A. Butler P.O.#:

Sampler: Ed Ashton Quote #:

Name of state where samples were collected: NY

For Lab Use Only
FSC:
SCR #:

(2)			(3)				(4)	(5) TCL-8260	TCL-8270 (with 8260)	PB	(6) Remarks
OS-2 MS	6/9/06	1150	✓		✓	6	✓	✓	✓		*See page 1 remarks*
OS-2 MSD	6/9/06	1150	✓		✓	6	✓	✓	✓		
~~OR-2~~ EDD 6/8/06											
OR-2	6/9/06	1215	✓		✓	6	✓	✓	✓		
OS-3	6/9/06	0940	✓		✓	6	✓	✓	✓		
OR-3	6/9/06	1245	✓		✓	6	✓	✓	✓		

(7) **Turnaround Time Requested** (TAT) (please circle): (Normal) Rush

(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed:

Rush results requested by (please circle): Phone Fax E-mail

Phone #: See page 1 Fax #: See page 1

E-mail address: See page 1

(8) **Data Package Options** (please circle if required)

QC Summary — Type VI (Raw Data)

Type I (Tier I) — GLP

Type II (Tier II) — (Other)

Type III (NJ Red. Del.)

Type IV (CLP) — See page 1

SDG Complete? Yes No

Site-specific QC required? Yes No

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

Internal Chain of Custody required? Yes No

(9) Relinquished by:	Date	Time	Received by:	Date	Time
Ed Ashton	6/9/06				
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	6/10/06	1015

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Environmental Sample Administration
Receipt Documentation Log

Client/Project: Parsons (NY)

Date of Receipt: 6/10/06

Time of Receipt: 1015

Source Code: 50-1

Shipping Container Sealed: (Y) / N

Custody Seal Present: (Y) / N

Custody Seal Intact: (Y) / N / NA

Package: (Chilled) / Not Chilled

Unpacker Emp. No.: 1696

Temperature of Shipping Containers	
#1 Thermometer ID: 479983 Temp.: 2.3° Temp. Bottle / Surface Temp. Wet Ice / Dry Ice / Ice Packs Ice Present? (Y) N Loose / Bagged	#2 Thermometer ID: 479983 Temp.: 3.1° Temp. Bottle / Surface Temp. Wet Ice / Dry Ice / Ice Packs Ice Present? (Y) N Loose / Bagged
#3 Thermometer ID: 479983 Temp.: 3.7° Temp. Bottle / Surface Temp. Wet Ice / Dry Ice / Ice Packs Ice Present? (Y) N Loose / Bagged	#4 Thermometer ID: 479983 Temp.: 2.5° Temp. Bottle / Surface Temp. Wet Ice / Dry Ice / Ice Packs Ice Present? (Y) N Loose / Bagged

Paperwork Discrepancy/Unpacking Problems: diff IDs on containers
COC says DB-8B cont. DB-8A
COC says DB 108B cont. DB 108A

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
Jayson Loach	6/10/06	1345	Unpacking
	6/10/06	1350	Place in Storage or (Entry)
			Remove from Storage
			Place in Storage or Entry
			Entry

6664

Chain-of-Custody Record

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Original Sample

Secure Storage Chain of Custody

Client/Project: Chevron Beacon, NY

Preservative: HCl Matrix: Water SDG: CBN23

Sample # Range of Entry Group: 4791555-70 Bottle Type: (38c) 40 ml vial

Sample Number(s) in Custody	Released By	Received By	Date of Transfer	Time of Transfer	Reason for Change of Custody	Dist., Extr., or Digest Chain Created (X)
4791555-56,58-65,68-70	(964)	VOA Fridge	06/10/06	1430	Entry to Storage	
4791555-56,58-65,68-70	VOA fridge	JM1532	6-11-06	21:55	for PES screening	
4791555-56,58-65,68-70	JM1532	main Storage	6-12-06	04:00	entry to main Storage	

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Original Sample

Secure Storage Chain of Custody

Client/Project: Chevron Beacon, NY

Preservative: Na2S2O3 Matrix: Water SDG: CBN23

Sample # Range of Entry Group: 4791555-70 Bottle Type: (45) 1000 ml amber glass

Sample Number(s) in Custody	Released By	Received By	Date of Transfer	Time of Transfer	Reason for Change of Custody	Dist., Extr., or Digest Chain Created (X)
4791555-56,58-65,68-70	(964)	SA Storage	06/10/06	1430	Entry to Storage	
4791555-56,58-65, 68-70	SA Storage	elv 1283	6/12/06	14:50	Preservation	
4791555-56,58-65, 68-70	elv 1283	Main Storage	6/12/06	14:51	Entry into Main storage	
4791555-56,58-65 68-70	Main Storage	O. Santiago 1700	6-12-06	15:30	semi-prep	X
4791555-56,58-65 68-70	O. Santiago 1700	Main Storage	6-12-06	18:45	Storage	
						0007

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Original Sample

Secure Storage Chain of Custody

Client/Project: Chevron Beacon, NY

Preservative: HCl Matrix: Water SDG: CBN23

Sample # Range of Entry Group: 4791555-70 Bottle Type: (38) 40 ml vial

Sample Number(s) in Custody	Released By	Received By	Date of Transfer	Time of Transfer	Reason for Change of Custody	Dist., Extr., or Digest Chain Created (X)
4791555-56,58-65,68-70	(964)	VOA Fridge	06/10/06	1430	Entry to Storage	
4791555-56,58-65,68-70	VOA Fridge	TZ (1958)	6/12/06	930	Entry to Dept. 21 Storage	
4791555-56,58-65,68-70	TZ(1958)	Dept. 21 Storage	6/12/06	930	Entry to Dept. 21 Storage	
4791555-6,58-62,67	Dept. 21 Storage	A. Sneeringer 1731	6/13/06	1110	GCMS VOA analysis 6291	
4791555-6,58-62,67	A. Sneeringer 1731	L Merzario 1518	6/13/06	1515	shift change	
4791555-6,58-62,67	L Merzario 1518	HP09915 Archon	6/13/06	2302	automated analysis	
4791555-6,58-62,67	HP09915 Autosampler	A. Sneeringer 1731	6/14/06	0835	shift change	
4791555-6,58-62,67	A. Sneeringer 1731	Dept. 21 Refrigerator	6/14/06	1000	analysis complete	
* 4791555 63-65,68-70	A. Sneeringer 1731	Dept. 21 Refrigerator	6/14/06	1000	analysis complete	

2016.01

* This group of samples was placed in the autosampler without accompanying COC. A. Sneeringer 6/14/06

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Original Sample
Secure Storage Chain of Custody

Client/Project: Chevron Beacon, NY

Preservative: HNO3 Matrix: Water SDG: CBN23

Sample # Range of Entry Group: 4791555-70 Bottle Type: (08) 500 ml plastic

Sample Number(s) in Custody	Released By	Received By	Date of Transfer	Time of Transfer	Reason for Change of Custody	Dist., Extr., or Digest Chain Created (X)
4791555,57-66,68-70	(9164)	SA Storage	06/10/06	1430	Entry to Storage	
4791555, 57-66, 68-70	SA Storage	SBeisel 11168	6/14/06	9:15	pH check	
4791555, 57-66, 68-70	SBeisel 11168	Main Storage	6/14/06	9:25	Storage	
4791555,57-66,68,70	main Storage	Helen Schaeffer 7264	6/22/06	09:10	metals Prep	X
4791555,57-66 4791568,70	Helen Schaeffer 7264	main Storage	6/22/06	05:30	Storage	

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Department Storage Chain of Custody
Metals

Client/Project: Chevron Beacon, NY

Sample # Range for Entry Group: 4791555, 57-66, 68, 70 SDG: CBN23

Digest Type (circle one): Hg (ICP) ICP-MS GF Trial No: _____ (If not 1, fill in)

Batch No: 06173 1f48 001

Sample Number(s) in Custody	Released By	Received By	Date of Transfer	Time of Transfer	Reason for Change of Custody
4791555, 57-66, 68, 70	Helen Schaeffer 764	ICP Locked Storage	6/22/6	06:15	ICP Locked Storage
4791555, 57-66, 68, 70	ICP Storage	cyTrain 1242	06-22-06	15:30 ~~16:00~~ cir 6/22/06 @ 1644	ICP Analysis
4791555, 57-66, 68, 70	cyTrain 1242	John 1496	06-22-06	16:20	shift change.
4791555, 57-66, 68, 70	J Hurt 1496	ICP STORAGE	6/22/06	1940	STORAGE
4791563-66	ICP Storage	J States 1170	6-23-06	10:15	ICP analysis
4791563-66	J States 1170	ICP Storage	6-23-06	10:25	ICP Storage
4791563-66	ICP LOCKED STORAGE	EE67 420	6-27-06	01:30	ICP Analysis
4791563-66	EE67 420	ICP LOCKED STORAGE	6-27-06	01:55	ICP LOCKED STORAGE
					6616

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METHODOLOGY SUMMARY/REFERENCE

6371 SW-846 8260 Special Compounds (water)

The water sample is purged and the volatile compounds are collected on a sorbent trap that is subsequently desorbed onto the GC/MS system for chromatographic and mass spectral analysis.

Reference: Test Methods for Evaluating Solid Waste,
SW-846, Method 8260B, Revision 2, December 1996

****

1163 GC/MS Volatiles Water Preparation

An undiluted aliquot of the water sample is purged and the volatile compounds are collected on a sorbent trap that is subsequently desorbed onto a gas chromatographic column.

Reference: Test Methods for Evaluating Solid Waste,
SW-846, Method 5030B, Revision 2, December 1996

****

6291 TCL by 8260 (water)

The water sample is purged and the volatile compounds are collected on a sorbent trap that is subsequently desorbed onto the GC/MS system for chromatographic and mass spectral analysis.

Reference: Test Methods for Evaluating Solid Waste,
SW-846, Method 8260B, Revision 2, December 1996

****

7055 Lead (water)

The solution resulting from the metals digestion is analyzed by Trace ICP.

Reference: Test Methods for Evaluating Solid Waste
SW-846, Method 6010B, December 1996

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1848 Metals Water Digestion

The sample is digested with nitric and hydrochloric acids.

Reference: Test Methods for Evaluating Solid Waste
SW-846, Method 3005A, July 1992

****

4678 TCL Semivolatiles by 8270 (water)

The sample is solvent extracted and then analyzed by GC/MS for the target compound list.

Reference: Test Methods for Evaluating Solid Waste
SW-846, Method 8270C, December 1996

Lancaster Laboratories

ANALYTICAL RESULTS

Prepared for:

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

713-219-5225

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

SAMPLE GROUP

The sample group for this submittal is 993100. Samples arrived at the laboratory on Saturday, June 10, 2006. The PO# for this group is 0015005957 and the release number is HENDRICKSON.

Client Description	Lancaster Labs Number
TF-5 Grab Water Sample	4791555
TF-23 Grab Water Sample	4791556
TF-23 Grab Water Sample	4791557
DC-2 Grab Water Sample	4791558
DC-1 Grab Water Sample	4791559
DB-8B Grab Water Sample	4791560
DB-108B Grab Water Sample	4791561
DB-17 Grab Water Sample	4791562
OS-2 Unspiked Grab Water Sample	4791563
OS-2_MS Matrix Spike Grab Water Sample	4791564
OS-2_MSD Matrix Spike Dup. Grab Water Sample	4791565
OS-2_DUP Duplicate Grab Water Sample	4791566
Trip_Blank #1 Water Sample	4791567
OR-2 Grab Water Sample	4791568
OS-3 Grab Water Sample	4791569
OR-3 Grab Water Sample	4791570

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

ELECTRONIC	Parsons Engineering Science	Attn: Ed Ashton
COPY TO		
ELECTRONIC	Parsons	Attn: Craig Butler

0013

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2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
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Lancaster Laboratories

COPY TO
1 COPY TO Data Package Group

Questions? Contact your Client Services Representative
Wendy A Kozma at (717) 656-2300

Respectfully Submitted,

Max E. Snavely
Senior Specialist

0014

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4791555

TF-5 Grab Water Sample

Beacon - NY RCRA Sampling June 2006
Collected:06/06/2006 16:15 by EA

Account Number: 11387

Submitted: 06/10/2006 10:15
Reported: 06/26/2006 at 14:20
Discard: 09/10/2006

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

-TF5- SDG#: CBN23-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
04678	TCL SW846 Semivolatiles/Waters					
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1
06371	8260 Special Cmpds for Waters					

0015

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4791555

TF-5 Grab Water Sample

Beacon - NY RCRA Sampling June 2006
Collected:06/06/2006 16:15 by EA

Account Number: 11387

Submitted: 06/10/2006 10:15
Reported: 06/26/2006 at 14:20
Discard: 09/10/2006

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

-TF5- SDG#: CBN23-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05654	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/l	1
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.					
05655	Trichlorofluoromethane	75-69-4	N.D.	2.	ug/l	1
06304	1,2-Dichloroethene (Total)	540-59-0	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	06/22/2006 16:51	John P Hook	1
04678	TCL SW846 Semivolatiles/Waters	SW-846 8270C	1	06/15/2006 10:53	Ryan P Byrne	1
06291	TCL by 8260 (water)	SW-846 8260B	1	06/13/2006 18:13	Angela D Sneeringer	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	06/13/2006 18:13	Angela D Sneeringer	1
00813	BNA Water Extraction	SW-846 3510C	1	06/12/2006 16:15	Olivia I Santiago	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	06/13/2006 18:13	Angela D Sneeringer	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	06/22/2006 00:20	Helen L Schaeffer	1

0016

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4791556

TF-23 Grab Water Sample

Beacon - NY RCRA Sampling June 2006
Collected:06/06/2006 16:45 by EA

Account Number: 11387

Submitted: 06/10/2006 10:15
Reported: 06/26/2006 at 14:20
Discard: 09/10/2006

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

-TF23 SDG#: CBN23-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
04678	TCL SW846 Semivolatiles/Waters					
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1
06371	8260 Special Cmpds for Waters					
05654	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/l	1

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Lancaster Laboratories Sample No. WW 4791556

TF-23 Grab Water Sample

Beacon - NY RCRA Sampling June 2006
Collected:06/06/2006 16:45 by EA

Account Number: 11387

Submitted: 06/10/2006 10:15
Reported: 06/26/2006 at 14:20
Discard: 09/10/2006

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

-TF23 SDG#: CBN23-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.					
05655	Trichlorofluoromethane	75-69-4	N.D.	2.	ug/l	1
06304	1,2-Dichloroethene (Total)	540-59-0	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
04678	TCL SW846 Semivolatiles/Waters	SW-846 8270C	1	06/15/2006 11:15	Ryan P Byrne	1
06291	TCL by 8260 (water)	SW-846 8260B	1	06/13/2006 18:36	Angela D Sneeringer	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	06/13/2006 18:36	Angela D Sneeringer	1
00813	BNA Water Extraction	SW-846 3510C	1	06/12/2006 16:15	Olivia I Santiago	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	06/13/2006 18:36	Angela D Sneeringer	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4791557

TF-23 Grab Water Sample

Beacon - NY RCRA Sampling June 2006
Collected:06/07/2006 08:00 by EA

Account Number: 11387

Submitted: 06/10/2006 10:15
Reported: 06/26/2006 at 14:20
Discard: 09/10/2006

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

MTF23 SDG#: CBN23-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	06/22/2006 16:56	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	06/22/2006 00:20	Helen L Schaeffer	1

0019

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2425 New Holland Pike
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Lancaster, PA 17605-2425
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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4791558

DC-2 Grab Water Sample

Beacon - NY RCRA Sampling June 2006
Collected:06/08/2006 08:00 by EA

Account Number: 11387

Submitted: 06/10/2006 10:15
Reported: 06/26/2006 at 14:20
Discard: 09/10/2006

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

-DC2- SDG#: CBN23-04

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.		0.0069	mg/l	1
04678	TCL SW846 Semivolatiles/Waters						
03937	1,3-Dichlorobenzene	541-73-1	N.D.		1.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.		1.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.		1.	ug/l	1
06291	TCL by 8260 (water)						
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.		1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.		1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.		1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.		1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.		0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.		2.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.		1.	ug/l	1
05396	Chloroform	67-66-3	N.D.		0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.		0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.		1.	ug/l	1
05401	Benzene	71-43-2	N.D.		0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.		1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.		1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.		1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.		1.	ug/l	1
05407	Toluene	108-88-3	0.8	J	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.		0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.		0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.		1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.		0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.		0.8	ug/l	1
05419	Bromoform	75-25-2	N.D.		1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.		0.8	ug/l	1
06371	8260 Special Cmpds for Waters						

6626

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4791558

DC-2 Grab Water Sample

Beacon - NY RCRA Sampling June 2006
Collected:06/08/2006 08:00 by EA

Account Number: 11387

Submitted: 06/10/2006 10:15
Reported: 06/26/2006 at 14:20
Discard: 09/10/2006

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

-DC2- SDG#: CBN23-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05654	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/l	1
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.					
05655	Trichlorofluoromethane	75-69-4	N.D.	2.	ug/l	1
06304	1,2-Dichloroethene (Total)	540-59-0	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	06/22/2006 17:10	John P Hook	1
04678	TCL SW846 Semivolatiles/Waters	SW-846 8270C	1	06/15/2006 11:38	Ryan P Byrne	1
06291	TCL by 8260 (water)	SW-846 8260B	1	06/13/2006 18:59	Angela D Sneeringer	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	06/13/2006 18:59	Angela D Sneeringer	1
00813	BNA Water Extraction	SW-846 3510C	1	06/12/2006 16:15	Olivia I Santiago	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	06/13/2006 18:59	Angela D Sneeringer	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	06/22/2006 00:20	Helen L Schaeffer	1

6021

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4791559

DC-1 Grab Water Sample

Beacon - NY RCRA Sampling June 2006
Collected:06/08/2006 08:30 by EA

Account Number: 11387

Submitted: 06/10/2006 10:15
Reported: 06/26/2006 at 14:20
Discard: 09/10/2006

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

-DC1- SDG#: CBN23-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
04678	TCL SW846 Semivolatiles/Waters					
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	11.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1
06371	8260 Special Cmpds for Waters					

0822

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4791559

DC-1 Grab Water Sample

Beacon - NY RCRA Sampling June 2006
Collected:06/08/2006 08:30 by EA

Account Number: 11387

Submitted: 06/10/2006 10:15
Reported: 06/26/2006 at 14:20
Discard: 09/10/2006

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

-DC1- SDG#: CBN23-05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05654	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/l	1
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.					
05655	Trichlorofluoromethane	75-69-4	N.D.	2.	ug/l	1
06304	1,2-Dichloroethene (Total)	540-59-0	7.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	06/22/2006 17:15	John P Hook	1
04678	TCL SW846 Semivolatiles/Waters	SW-846 8270C	1	06/15/2006 12:00	Ryan P Byrne	1
06291	TCL by 8260 (water)	SW-846 8260B	1	06/13/2006 19:21	Angela D Sneeringer	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	06/13/2006 19:21	Angela D Sneeringer	1
00813	BNA Water Extraction	SW-846 3510C	1	06/12/2006 16:15	Olivia I Santiago	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	06/13/2006 19:21	Angela D Sneeringer	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	06/22/2006 00:20	Helen L Schaeffer	1

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Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4791560

DB-8B Grab Water Sample

Beacon - NY RCRA Sampling June 2006
Collected:06/08/2006 08:45 by EA

Account Number: 11387

Submitted: 06/10/2006 10:15
Reported: 06/26/2006 at 14:20
Discard: 09/10/2006

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

DB8B- SDG#: CBN23-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
04678	TCL SW846 Semivolatiles/Waters					
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	13.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1
06371	8260 Special Cmpds for Waters					

0024

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4791560

DB-8B Grab Water Sample

Beacon - NY RCRA Sampling June 2006
Collected:06/08/2006 08:45 by EA

Account Number: 11387

Submitted: 06/10/2006 10:15
Reported: 06/26/2006 at 14:20
Discard: 09/10/2006

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

DB8B- SDG#: CBN23-06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05654	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/l	1
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.					
05655	Trichlorofluoromethane	75-69-4	N.D.	2.	ug/l	1
06304	1,2-Dichloroethene (Total)	540-59-0	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	06/22/2006 17:20	John P Hook	1
04678	TCL SW846 Semivolatiles/Waters	SW-846 8270C	1	06/15/2006 12:22	Ryan P Byrne	1
06291	TCL by 8260 (water)	SW-846 8260B	1	06/13/2006 19:44	Angela D Sneeringer	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	06/13/2006 19:44	Angela D Sneeringer	1
00813	BNA Water Extraction	SW-846 3510C	1	06/12/2006 16:15	Olivia I Santiago	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	06/13/2006 19:44	Angela D Sneeringer	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	06/22/2006 00:20	Helen L Schaeffer	1

0025

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2425 New Holland Pike
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Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4791561

DB-108B Grab Water Sample

Beacon - NY RCRA Sampling June 2006
Collected:06/08/2006 08:50 by EA

Account Number: 11387

Submitted: 06/10/2006 10:15
Reported: 06/26/2006 at 14:21
Discard: 09/10/2006

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

DB108 SDG#: CBN23-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
04678	TCL SW846 Semivolatiles/Waters					
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	14.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1
06371	8260 Special Cmpds for Waters					

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2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4791561

DB-108B Grab Water Sample

Beacon - NY RCRA Sampling June 2006
Collected:06/08/2006 08:50 by EA

Account Number: 11387

Submitted: 06/10/2006 10:15
Reported: 06/26/2006 at 14:21
Discard: 09/10/2006

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

DB108 SDG#: CBN23-07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05654	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/l	1
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.					
05655	Trichlorofluoromethane	75-69-4	N.D.	2.	ug/l	1
06304	1,2-Dichloroethene (Total)	540-59-0	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	06/22/2006 17:24	John P Hook	1
04678	TCL SW846 Semivolatiles/Waters	SW-846 8270C	1	06/15/2006 12:45	Ryan P Byrne	1
06291	TCL by 8260 (water)	SW-846 8260B	1	06/14/2006 01:21	Lauren C Marzario	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	06/14/2006 01:21	Lauren C Marzario	1
00813	BNA Water Extraction	SW-846 3510C	1	06/12/2006 16:15	Olivia I Santiago	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	06/14/2006 01:21	Lauren C Marzario	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	06/22/2006 00:20	Helen L Schaeffer	1

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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4791562

DB-17 Grab Water Sample

Beacon - NY RCRA Sampling June 2006
Collected:06/08/2006 09:00 by EA

Account Number: 11387

Submitted: 06/10/2006 10:15
Reported: 06/26/2006 at 14:21
Discard: 09/10/2006

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

DB17- SDG#: CBN23-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
04678	TCL SW846 Semivolatiles/Waters					
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1
06371	8260 Special Cmpds for Waters					

6828

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4791562

DB-17 Grab Water Sample

Beacon - NY RCRA Sampling June 2006
Collected:06/08/2006 09:00 by EA

Account Number: 11387

Submitted: 06/10/2006 10:15
Reported: 06/26/2006 at 14:21
Discard: 09/10/2006

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

DB17- SDG#: CBN23-08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05654	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/l	1
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.					
05655	Trichlorofluoromethane	75-69-4	N.D.	2.	ug/l	1
06304	1,2-Dichloroethene (Total)	540-59-0	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	06/22/2006 17:29	John P Hook	1
04678	TCL SW846 Semivolatiles/Waters	SW-846 8270C	1	06/15/2006 13:07	Ryan P Byrne	1
06291	TCL by 8260 (water)	SW-846 8260B	1	06/14/2006 01:43	Lauren C Marzario	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	06/14/2006 01:43	Lauren C Marzario	1
00813	BNA Water Extraction	SW-846 3510C	1	06/12/2006 16:15	Olivia I Santiago	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	06/14/2006 01:43	Lauren C Marzario	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	06/22/2006 00:20	Helen L Schaeffer	1

0023

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4791563

OS-2 Unspiked Grab Water Sample

Beacon - NY RCRA Sampling June 2006
Collected:06/09/2006 11:50 by EA

Account Number: 11387

Submitted: 06/10/2006 10:15
Reported: 06/26/2006 at 14:21
Discard: 09/10/2006

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

OS2-- SDG#: CBN23-09BKG

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
04678	TCL SW846 Semivolatiles/Waters					
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1
06371	8260 Special Cmpds for Waters					

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4791563

OS-2 Unspiked Grab Water Sample

Beacon - NY RCRA Sampling June 2006
Collected:06/09/2006 11:50 by EA

Account Number: 11387

Submitted: 06/10/2006 10:15
Reported: 06/26/2006 at 14:21
Discard: 09/10/2006

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

OS2-- SDG#: CBN23-09BKG

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05654	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/l	1
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.					
05655	Trichlorofluoromethane	75-69-4	N.D.	2.	ug/l	1
06304	1,2-Dichloroethene (Total)	540-59-0	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	06/22/2006 16:23	John P Hook	1
04678	TCL SW846 Semivolatiles/Waters	SW-846 8270C	1	06/15/2006 05:21	Linda M Hartenstine	1
06291	TCL by 8260 (water)	SW-846 8260B	1	06/13/2006 22:43	Lauren C Marzario	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	06/13/2006 22:43	Lauren C Marzario	1
00813	BNA Water Extraction	SW-846 3510C	1	06/12/2006 16:15	Olivia I Santiago	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	06/13/2006 22:43	Lauren C Marzario	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	06/22/2006 00:20	Helen L Schaeffer	1

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Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4791564

OS-2 MS Matrix Spike Grab Water Sample

Beacon - NY RCRA Sampling June 2006
Collected:06/09/2006 11:50 by EA

Account Number: 11387

Submitted: 06/10/2006 10:15
Reported: 06/26/2006 at 14:21
Discard: 09/10/2006

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

OS2-- SDG#: CBN23-09MS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	0.132	0.0069	mg/l	1
04678	TCL SW846 Semivolatiles/Waters					
03937	1,3-Dichlorobenzene	541-73-1	95.	1.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	95.	1.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	93.	1.	ug/l	1
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	19.	0.5	ug/l	1
05385	Chloromethane	74-87-3	22.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	22.	1.	ug/l	1
05387	Bromomethane	74-83-9	16.	1.	ug/l	1
05388	Chloroethane	75-00-3	17.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	22.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	20.	2.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	22.	1.	ug/l	1
05396	Chloroform	67-66-3	22.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	22.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	22.	1.	ug/l	1
05401	Benzene	71-43-2	22.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	22.	1.	ug/l	1
05403	Trichloroethene	79-01-6	22.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	22.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	22.	1.	ug/l	1
05407	Toluene	108-88-3	21.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	20.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	21.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	19.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	21.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	22.	0.8	ug/l	1
05419	Bromoform	75-25-2	18.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	21.	1.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	21.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	20.	1.	ug/l	1
06310	Xylene (Total)	1330-20-7	63.	0.8	ug/l	1
06371	8260 Special Cmpds for Waters					

0032

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4791564

OS-2_MS Matrix Spike Grab Water Sample

Beacon - NY RCRA Sampling June 2006
Collected:06/09/2006 11:50 by EA

Account Number: 11387

Submitted: 06/10/2006 10:15
Reported: 06/26/2006 at 14:21
Discard: 09/10/2006

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

OS2-- SDG#: CBN23-09MS

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05654	2-Chloroethyl Vinyl Ether	110-75-8	2. J	2.	ug/l	1
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.					
05655	Trichlorofluoromethane	75-69-4	24.	2.	ug/l	1
06304	1,2-Dichloroethene (Total)	540-59-0	43.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	21.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	21.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	21.	1.	ug/l	1

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	06/22/2006 16:37	John P Hook	1
04678	TCL SW846 Semivolatiles/Waters	SW-846 8270C	1	06/15/2006 05:43	Linda M Hartenstine	1
06291	TCL by 8260 (water)	SW-846 8260B	1	06/13/2006 23:05	Lauren C Marzario	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	06/13/2006 23:05	Lauren C Marzario	1
00813	BNA Water Extraction	SW-846 3510C	1	06/12/2006 16:15	Olivia I Santiago	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	06/13/2006 23:05	Lauren C Marzario	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	06/22/2006 00:20	Helen L Schaeffer	1

0033

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4791565

OS-2_MSD Matrix Spike Dup. Grab Water Sample

Beacon - NY RCRA Sampling June 2006
Collected:06/09/2006 11:50 by EA

Account Number: 11387

Submitted: 06/10/2006 10:15
Reported: 06/26/2006 at 14:21
Discard: 09/10/2006

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

OS2-- SDG#: CBN23-09MSD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	0.126	0.0069	mg/l	1
04678	TCL SW846 Semivolatiles/Waters					
03937	1,3-Dichlorobenzene	541-73-1	94.	1.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	95.	1.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	93.	1.	ug/l	1
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	20.	0.5	ug/l	1
05385	Chloromethane	74-87-3	22.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	22.	1.	ug/l	1
05387	Bromomethane	74-83-9	16.	1.	ug/l	1
05388	Chloroethane	75-00-3	17.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	22.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	21.	2.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	22.	1.	ug/l	1
05396	Chloroform	67-66-3	23.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	22.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	22.	1.	ug/l	1
05401	Benzene	71-43-2	23.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	22.	1.	ug/l	1
05403	Trichloroethene	79-01-6	22.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	22.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	22.	1.	ug/l	1
05407	Toluene	108-88-3	22.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	21.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	21.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	20.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	21.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	22.	0.8	ug/l	1
05419	Bromoform	75-25-2	19.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	21.	1.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	22.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	21.	1.	ug/l	1
06310	Xylene (Total)	1330-20-7	65.	0.8	ug/l	1
06371	8260 Special Cmpds for Waters					

0034

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4791565

OS-2 MSD Matrix Spike Dup. Grab Water Sample

Beacon - NY RCRA Sampling June 2006
Collected:06/09/2006 11:50 by EA

Account Number: 11387

Submitted: 06/10/2006 10:15
Reported: 06/26/2006 at 14:21
Discard: 09/10/2006

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

OS2-- SDG#: CBN23-09MSD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05654	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/l	1
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.					
05655	Trichlorofluoromethane	75-69-4	24.	2.	ug/l	1
06304	1,2-Dichloroethene (Total)	540-59-0	44.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	21.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	21.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	21.	1.	ug/l	1

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	06/22/2006 16:42	John P Hook	1
04678	TCL SW846 Semivolatiles/Waters	SW-846 8270C	1	06/15/2006 06:05	Linda M Hartenstine	1
06291	TCL by 8260 (water)	SW-846 8260B	1	06/13/2006 23:28	Lauren C Marzario	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	06/13/2006 23:28	Lauren C Marzario	1
00813	BNA Water Extraction	SW-846 3510C	1	06/12/2006 16:15	Olivia I Santiago	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	06/13/2006 23:28	Lauren C Marzario	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	06/22/2006 00:20	Helen L Schaeffer	1

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2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4791566

OS-2_DUP Duplicate Grab Water Sample

Beacon - NY RCRA Sampling June 2006
Collected:06/09/2006 11:50 by EA

Account Number: 11387

Submitted: 06/10/2006 10:15
Reported: 06/26/2006 at 14:21
Discard: 09/10/2006

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

OS2-- SDG#: CBN23-09DUP

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	06/22/2006 16:32	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	06/22/2006 00:20	Helen L Schaeffer	1

0036

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4791567

Trip_Blank #1 Water Sample

Beacon - NY RCRA Sampling June 2006
Collected: n.a.

Account Number: 11387

Submitted: 06/10/2006 10:15
Reported: 06/26/2006 at 14:21
Discard: 09/10/2006

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

TB1RC SDG#: CBN23-10TB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	.1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1
06371	8260 Special Cmpds for Waters					
05654	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/l	1
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.					
05655	Trichlorofluoromethane	75-69-4	N.D.	2.	ug/l	1
06304	1,2-Dichloroethene (Total)	540-59-0	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4791567

Trip_Blank #1 Water Sample

Beacon - NY RCRA Sampling June 2006
Collected: n.a.

Account Number: 11387

Submitted: 06/10/2006 10:15
Reported: 06/26/2006 at 14:21
Discard: 09/10/2006

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

TB1RC SDG#: CBN23-10TB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
06291	TCL by 8260 (water)	SW-846 8260B	1	06/13/2006 23:50	Lauren C Marzario	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	06/13/2006 23:50	Lauren C Marzario	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	06/13/2006 23:50	Lauren C Marzario	1

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Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4791568

OR-2 Grab Water Sample

Beacon - NY RCRA Sampling June 2006
Collected:06/09/2006 12:15 by EA

Account Number: 11387

Submitted: 06/10/2006 10:15
Reported: 06/26/2006 at 14:21
Discard: 09/10/2006

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

OR2-- SDG#: CBN23-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
04678	TCL SW846 Semivolatiles/Waters					
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1
06371	8260 Special Cmpds for Waters					

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2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4791568

OR-2 Grab Water Sample

Beacon - NY RCRA Sampling June 2006
Collected:06/09/2006 12:15 by EA

Account Number: 11387

Submitted: 06/10/2006 10:15
Reported: 06/26/2006 at 14:21
Discard: 09/10/2006

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

OR2-- SDG#: CBN23-11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05654	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/l	1
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.					
05655	Trichlorofluoromethane	75-69-4	N.D.	2.	ug/l	1
06304	1,2-Dichloroethene (Total)	540-59-0	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	06/22/2006 17:34	John P Hook	1
04678	TCL SW846 Semivolatiles/Waters	SW-846 8270C	1	06/15/2006 13:29	Ryan P Byrne	1
06291	TCL by 8260 (water)	SW-846 8260B	1	06/14/2006 00:13	Lauren C Marzario	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	06/14/2006 00:13	Lauren C Marzario	1
00813	BNA Water Extraction	SW-846 3510C	1	06/12/2006 16:15	Olivia I Santiago	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	06/14/2006 00:13	Lauren C Marzario	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	06/22/2006 00:20	Helen L Schaeffer	1

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Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4791569

OS-3 Grab Water Sample

Beacon - NY RCRA Sampling June 2006
Collected:06/09/2006 09:00 by EA

Account Number: 11387

Submitted: 06/10/2006 10:15
Reported: 06/26/2006 at 14:21
Discard: 09/10/2006

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

OS3-- SDG#: CBN23-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
04678	TCL SW846 Semivolatiles/Waters					
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1
06371	8260 Special Cmpds for Waters					

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2425 New Holland Pike
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Lancaster, PA 17605-2425
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Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4791569

OS-3 Grab Water Sample

Beacon - NY RCRA Sampling June 2006
Collected:06/09/2006 09:00 by EA

Account Number: 11387

Submitted: 06/10/2006 10:15
Reported: 06/26/2006 at 14:21
Discard: 09/10/2006

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

OS3-- SDG#: CBN23-12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05654	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/l	1
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.					
05655	Trichlorofluoromethane	75-69-4	N.D.	2.	ug/l	1
06304	1,2-Dichloroethene (Total)	540-59-0	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	06/22/2006 17:39	John P Hook	1
04678	TCL SW846 Semivolatiles/Waters	SW-846 8270C	1	06/15/2006 13:52	Ryan P Byrne	1
06291	TCL by 8260 (water)	SW-846 8260B	1	06/14/2006 00:36	Lauren C Marzario	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	06/14/2006 00:36	Lauren C Marzario	1
00813	BNA Water Extraction	SW-846 3510C	1	06/12/2006 16:15	Olivia I Santiago	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	06/14/2006 00:36	Lauren C Marzario	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	06/22/2006 00:20	Helen L Schaeffer	1

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2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4791570

OR-3 Grab Water Sample

Beacon - NY RCRA Sampling June 2006
Collected:06/09/2006 12:45 by EA

Account Number: 11387

Submitted: 06/10/2006 10:15
Reported: 06/26/2006 at 14:21
Discard: 09/10/2006

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

OR3-- SDG#: CBN23-13*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
07055	Lead	7439-92-1	N.D.	0.0069	mg/l	1
04678	TCL SW846 Semivolatiles/Waters					
03937	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
03938	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
03939	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1
06291	TCL by 8260 (water)					
02010	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.8	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.8	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.8	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.	ug/l	1
05401	Benzene	71-43-2	N.D.	0.5	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.	ug/l	1
05407	Toluene	108-88-3	N.D.	0.7	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.8	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.8	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.8	ug/l	1
05415	Ethylbenzene	100-41-4	N.D.	0.8	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.	ug/l	1
06310	Xylene (Total)	1330-20-7	N.D.	0.8	ug/l	1
06371	8260 Special Cmpds for Waters					

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Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Lancaster Laboratories

Lancaster Laboratories Sample No. WW 4791570

OR-3 Grab Water Sample

Beacon - NY RCRA Sampling June 2006
Collected:06/09/2006 12:45 by EA

Account Number: 11387

Submitted: 06/10/2006 10:15
Reported: 06/26/2006 at 14:21
Discard: 09/10/2006

Chevron Environmental Mgmt.
4800 Fournace Place
Bellaire TX 77401

OR3-- SDG#: CBN23-13*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
05654	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.	ug/l	1
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.					
05655	Trichlorofluoromethane	75-69-4	N.D.	2.	ug/l	1
06304	1,2-Dichloroethene (Total)	540-59-0	N.D.	0.8	ug/l	1
08171	1,3-Dichlorobenzene	541-73-1	N.D.	1.	ug/l	1
08172	1,4-Dichlorobenzene	106-46-7	N.D.	1.	ug/l	1
08173	1,2-Dichlorobenzene	95-50-1	N.D.	1.	ug/l	1

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
07055	Lead	SW-846 6010B	1	06/22/2006 17:43	John P Hook	1
04678	TCL SW846 Semivolatiles/Waters	SW-846 8270C	1	06/15/2006 14:14	Ryan P Byrne	1
06291	TCL by 8260 (water)	SW-846 8260B	1	06/14/2006 00:58	Lauren C Marzario	1
06371	8260 Special Cmpds for Waters	SW-846 8260B	1	06/14/2006 00:58	Lauren C Marzario	1
00813	BNA Water Extraction	SW-846 3510C	1	06/12/2006 16:15	Olivia I Santiago	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	06/14/2006 00:58	Lauren C Marzario	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	06/22/2006 00:20	Helen L Schaeffer	1

Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Volatiles by GC/MS Data

Case Narrative
Conformance/Nonconformance Summary

CASE NARRATIVE

Client: Chevron Environmental Mgmt.
SDG#: CBN23

LANCASTER LABORATORIES
VOLATILES BY GC/MS

SAMPLE NUMBER(S) :

LL #'s	Sample Code	Matrix Water	Comments
4791555	-TF5-	X	
4791556	-TF23	X	
4791558	-DC2-	X	
4791559	-DC1-	X	
4791560	DB8B-	X	
4791561	DB108	X	
4791562	DB17-	X	
4791563	OS2--	X	Unspiked
4791564	OS2--MS	X	Matrix Spike
4791565	OS2--MSD	X	Matrix Spike Dup
4791567	TB1RC	X	Client Blank
4791568	OR2--	X	
4791569	OS3--	X	
4791570	OR3--	X	

LABORATORY SUBMITTED QC:

VBLKL28	VBLKL28	X	Method Blank
VBLKL29	VBLKL29	X	Method Blank
LCSL28	LCSL28	X	Lab Control Sample

SAMPLE PREPARATION:

No sample preparation was necessary for the VOA fraction.

ANALYSIS:

The method used for analysis was **8260B**.

The pH value for all samples was < 2.

No problems were encountered during the analysis of these samples.

QUALITY CONTROL and NONCONFORMANCE SUMMARY:

Only client requested compounds are addressed in this narrative.

The relative percent difference (RPD) for 2-chloroethyl vinyl ether between OS2--MS and OS2--MSD was outside QC limits. RPDs are laboratory advisory limits only for this method.

The percent recovery for 2-chloroethyl vinyl ether in OS2--MSD was outside QC limits. This compound met recovery criteria in the LCS analysis, indicating a matrix effect.

All other QC was within specifications.

DATA INTERPRETATION:

The instrument performance check using 4-bromofluorobenzene was evaluated using the criteria in the NYSDEC method.

At the time of data package review it was determined that the original GC/MS volatile laboratory internal chain of custody for samples 4791555-56, 58-65, 67-70 was not completely filled out. See the chain of custody form for further information.

No further interpretation is necessary for the data submitted.

CALCULATIONS:

1. Relative response factor (RRF)

$$RRF = \frac{Ax}{Ais} \times \frac{Cis}{Cx}$$

Where :
Ax = Area of the characteristic ion for the compound to be measured.
Ais = Area of the characteristic ion for the specific internal standard to be measured.
Cis = Concentration of the internal standard.
Cx = Concentration of the compound to be measured.

2. % Relative Standard Deviation (%RSD)

$$\%RSD = \frac{\text{Standard deviation}}{\text{mean}} \times 100$$

3. % Difference (%D)

$$\%D = \frac{RRFc - RRFi}{RRFi} \times 100$$

Where:
RRFc=Relative response factor from continuing calibration standard.
RRFi = Mean relative response factor from the initial calibration.

4. Concentration

$$\text{Concentration (ug/l)} = \frac{(Ax)\ (Is)\ (Df)}{(Ais)\ (RRF)}$$

Where:
Ax , Ais, RRF are as given in 1. above.
Is = Concentration of internal standard added in parts per billion (ug/l)
Df = Dilution factor

5. % Recovery (%Rec)

$$\%Rec = \frac{SSR - SR}{SA} \times 100$$

Where:
SSR = Spiked sample result
SR = Sample result
SA = Spike added

6. Relative Percent Difference (RPD)

$$RPD = \frac{|\ MSR - MSDR\ |}{(1/2)\ (MSR+MSDR)} \times 100$$

Where:
MSR = Matrix spike recovery
MSDR = Matrix spike duplicate recovery

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Case Narrative reviewed and approved by:

John F. Morton Date 2/5/06

John F. Morton, M.S., GC/MS Volatiles

9856

QC Summary

2A

WATER VOLATILE SURROGATE RECOVERY

Lab Name: Lancaster Laboratories Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: CBN23

	LL #'s	EPA SAMPLE NO.	S1 (DBF) #	S2 (DCA) #	S3 (TOL) #	S4 (BFB) #	TOT OUT
01	4791555	-TF5-	92	90	89	80	0
02	4791556	-TF23	92	89	89	80	0
03	4791558	-DC2-	92	91	89	79	0
04	4791559	-DC1-	93	89	89	79	0
05	4791560	DB8B-	93	90	90	79	0
06	4791561	DB108	94	91	89	79	0
07	4791562	DB17-	93	90	90	79	0
08	4791563	OS2--	92	90	90	80	0
09	4791564	OS2--MS	92	89	92	84	0
10	4791565	OS2--MSD	92	90	92	84	0
11	4791567	TB1RC	93	91	90	80	0
12	4791568	OR2--	92	88	90	80	0
13	4791569	OS3--	93	89	89	79	0
14	4791570	OR3--	93	90	90	80	0
15	VBLKL28	VBLKL28	93	89	90	79	0
16	VBLKL29	VBLKL29	92	91	90	80	0
17	LCSL28	LCSL28	92	90	92	84	0

	QC LIMITS
S1 (DBF) = Dibromofluoromethane	(80-116)
S2 (DCA) = 1,2-Dichloroethane-d4	(77-113)
S3 (TOL) = Toluene-d8	(80-113)
S4 (BFB) = 4-Bromofluorobenzene	(78-113)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

Lancaster Laboratories, Inc.
GC/MS Volatiles Matrix Spike/Spike Duplicate Recoveries

Unspiked: lu13s30.d
OS2-- 4791563
Method: SW-846 8260B
Instrument: HP09915

Matrix Spike: lu13s31.d
OS2--MS 4791564
Matrix/Level: WL
Dilution Factor: 1.00

Spike Duplicate: lu13s32.d
OS2--MSD 4791565
Batch: L061642AB

COMPOUND NAME	MS SPIKE	MSD SPIKE	US CONC UG/L	MS CONC UG/L	MSD CONC UG/L	MS REC %	MSD REC %	Range LOWER-UPPER	INSPEC	RPD %	RPD MAX
Chloromethane	20.0	20.0	ND	21.5	21.7	108	109	59-148	YES	1	30
Vinyl Chloride	20.0	20.0	ND	22.3	22.5	111	112	67-142	YES	1	30
Bromomethane	20.0	20.0	ND	16.0	16.1	80	80	52-141	YES	0	30
Chloroethane	20.0	20.0	ND	17.4	17.4	87	87	63-142	YES	0	30
Trichlorofluoromethane	20.0	20.0	ND	24.2	24.0	121	120	75-163	YES	1	30
1,1-Dichloroethene	20.0	20.0	ND	21.5	21.9	108	109	87-145	YES	1	30
Methylene Chloride	20.0	20.0	ND	20.1	20.6	101	103	79-133	YES	2	30
trans-1,2-Dichloroethene	20.0	20.0	ND	21.2	21.8	106	109	82-133	YES	3	30
Methyl Tertiary Butyl Ether	20.0	20.0	ND	19.4	19.7	97	99	69-127	YES	2	30
1,2-Dichloroethene (total)	40.0	40.0	ND	43.0	43.9	108	110	83-126	YES	2	30
1,1-Dichloroethane	20.0	20.0	ND	21.9	22.2	110	111	85-135	YES	1	30
cis-1,2-Dichloroethene	20.0	20.0	ND	21.8	22.1	109	110	83-126	YES	1	30
Chloroform	20.0	20.0	ND	22.3	22.6	112	113	82-131	YES	1	30
1,1,1-Trichloroethane	20.0	20.0	ND	22.2	22.2	111	111	81-142	YES	0	30
Carbon Tetrachloride	20.0	20.0	ND	21.8	22.0	109	110	79-155	YES	1	30
Benzene	20.0	20.0	ND	22.1	22.6	110	113	83-128	YES	2	30
1,2-Dichloroethane	20.0	20.0	ND	21.8	22.2	109	111	70-143	YES	2	30
Trichloroethene	20.0	20.0	ND	21.9	22.1	110	111	83-136	YES	1	30
1,2-Dichloropropane	20.0	20.0	ND	22.1	22.4	110	112	83-129	YES	2	30
Bromodichloromethane	20.0	20.0	ND	21.9	22.1	110	111	80-129	YES	1	30
2-Chloroethyl Vinyl Ether	20.0	20.0	ND	2.41	ND	12	0	1 -172	NO	200	30
cis-1,3-Dichloropropene	20.0	20.0	ND	20.3	20.6	101	103	80-126	YES	2	30
Toluene	20.0	20.0	ND	21.4	21.8	107	109	83-127	YES	2	30
trans-1,3-Dichloropropene	20.0	20.0	ND	21.5	21.8	107	109	77-123	YES	1	30
1,1,2-Trichloroethane	20.0	20.0	ND	20.3	21.1	102	106	77-125	YES	4	30
Tetrachloroethene	20.0	20.0	ND	20.7	20.7	103	104	78-133	YES	0	30
Dibromochloromethane	20.0	20.0	ND	19.3	19.6	96	98	82-119	YES	2	30
Chlorobenzene	20.0	20.0	ND	20.9	21.4	105	107	83-120	YES	2	30
Ethylbenzene	20.0	20.0	ND	21.7	22.0	108	110	82-129	YES	2	30
m+p-Xylene	40.0	40.0	ND	42.5	43.5	106	109	82-130	YES	2	30
Xylene (Total)	60.0	60.0	ND	63.5	65.0	106	108	82-130	YES	2	30
o-Xylene	20.0	20.0	ND	21.0	21.5	105	107	82-130	YES	3	30
Bromoform	20.0	20.0	ND	17.9	18.6	89	93	64-119	YES	4	30
1,1,2,2-Tetrachloroethane	20.0	20.0	ND	20.7	21.0	104	105	69-128	YES	1	30
1,3-Dichlorobenzene	20.0	20.0	ND	20.9	21.1	104	105	79-123	YES	1	30
1,4-Dichlorobenzene	20.0	20.0	ND	20.6	20.9	103	104	81-122	YES	1	30
1,2-Dichlorobenzene	20.0	20.0	ND	20.5	20.8	103	104	82-117	YES	1	30

N/C = Could not calculate

Lab Chronicle: _____ Ent. by _____

_____ Ver. by _____

Lancaster Laboratories, Inc.
GC/MS Volatiles Laboratory Control Sample Recovery

File: lu13l03.d
Inst: HP09915
Dilution Factor: 1.0

Injected: 06/13/06 at 17:33
Sample: LCSL28

Method: SW-846 8260B
Matrix/Level: WL
Batch: L061642AA

COMPOUND NAME	SPIKE LEVEL	LCS CONC UG/L	LCS REC %	Range LOWER-UPPER	INSPEC
Dichlorodifluoromethane	20.00	21.63	108	39-160	YES
Chloromethane	20.00	20.36	102	56-134	YES
Vinyl Chloride	20.00	20.97	105	62-123	YES
Bromomethane	20.00	17.76	89	47-129	YES
Chloroethane	20.00	18.72	94	57-125	YES
Trichlorofluoromethane	20.00	22.52	113	67-136	YES
Ethyl Ether	20.00	20.10	101	27-151	YES
Acrolein	150.00	149.86	100	35-139	YES
1,1-Dichloroethene	20.00	20.79	104	79-130	YES
Freon 113	20.00	20.64	103	64-134	YES
Acetone	150.00	196.64	131	21-226	YES
Methyl Iodide	20.00	18.97	95	71-123	YES
2-Propanol	150.00	162.19	108	36-155	YES
Carbon Disulfide	20.00	19.12	96	63-133	YES
Allyl Chloride	20.00	20.67	103	51-139	YES
Methyl Acetate	20.00	21.57	108	55-148	YES
Methylene Chloride	20.00	20.94	105	85-120	YES
t-Butyl Alcohol	200.00	188.92	94	69-127	YES
Acrylonitrile	100.00	103.91	104	67-128	YES
trans-1,2-Dichloroethene	20.00	21.26	106	83-117	YES
Methyl Tertiary Butyl Ether	20.00	19.74	99	73-119	YES
n-Hexane	20.00	21.18	106	54-152	YES
1,2-Dichloroethene (total)	40.00	42.83	107	84-117	YES
1,1-Dichloroethane	20.00	21.12	106	83-127	YES
di-Isopropyl Ether	20.00	20.84	104	67-130	YES
2-Chloro-1,3-Butadiene	20.00	21.10	106	60-158	YES
Ethyl t-Butyl Ether	20.00	19.81	99	74-120	YES
cis-1,2-Dichloroethene	20.00	21.57	108	84-117	YES
2-Butanone	150.00	171.67	114	52-163	YES
2,2-Dichloropropane	20.00	20.46	102	74-130	YES
Propionitrile	150.00	167.35	112	68-137	YES
Methacrylonitrile	150.00	169.81	113	72-126	YES
Bromochloromethane	20.00	21.09	105	73-126	YES
Tetrahydrofuran	100.00	109.50	109	57-134	YES
Chloroform	20.00	22.17	111	86-124	YES
1,1,1-Trichloroethane	20.00	21.31	107	83-127	YES
Cyclohexane	20.00	21.23	106	73-134	YES
1,1-Dichloropropene	20.00	21.86	109	84-116	YES
Carbon Tetrachloride	20.00	21.13	106	77-130	YES
Isobutyl Alcohol	500.00	545.75	109	48-144	YES
Benzene	20.00	21.69	108	85-117	YES
1,2-Dichloroethane	20.00	22.28	111	77-132	YES
t-Amyl Methyl Ether	20.00	20.09	100	79-113	YES
n-Heptane	20.00	21.34	107	61-142	YES
n-Butanol	1000.00	1059.51	106	53-139	YES
Trichloroethene	20.00	21.59	108	87-117	YES
1,2-Dichloropropane	20.00	21.68	108	80-117	YES
Methylcyclohexane	20.00	22.81	114	51-149	YES
Methyl Methacrylate	20.00	20.45	102	72-121	YES
Dibromomethane	20.00	21.54	108	87-117	YES
1,4-Dioxane	500.00	569.95	114	43-147	YES
Bromodichloromethane	20.00	21.97	110	83-121	YES
2-Nitropropane	20.00	18.87	94	52-135	YES
2-Chloroethyl Vinyl Ether	20.00	20.79	104	73-122	YES
cis-1,3-Dichloropropene	20.00	20.71	104	78-114	YES
4-Methyl-2-Pentanone	100.00	102.84	103	70-130	YES
Toluene	20.00	20.79	104	85-115	YES
trans-1,3-Dichloropropene	20.00	21.57	108	79-114	YES

N/C = Could not calculate 0054

Lab Chronicle: _____ Ent. by _____

_____ Ver. by _____

Lancaster Laboratories, Inc.
GC/MS Volatiles Laboratory Control Sample Recovery

File: lu13l03.d
Inst: HP09915
Dilution Factor: 1.0

Injected: 06/13/06 at 17:33
Sample: LCSL28

Method: SW-846 8260B
Matrix/Level: WL
Batch: L061642AA

COMPOUND NAME	SPIKE LEVEL	LCS CONC UG/L	LCS REC %	Range LOWER-UPPER	INSPEC
Ethyl Methacrylate	20.00	20.51	103	77-118	YES
1,1,2-Trichloroethane	20.00	20.62	103	86-113	YES
Tetrachloroethene	20.00	20.48	102	74-125	YES
1,3-Dichloropropane	20.00	21.13	106	84-119	YES
2-Hexanone	100.00	93.82	94	61-140	YES
Dibromochloromethane	20.00	19.88	99	78-119	YES
1,2-Dibromoethane	20.00	20.58	103	81-114	YES
Chlorobenzene	20.00	20.74	104	85-115	YES
1,1,1,2-Tetrachloroethane	20.00	20.46	102	83-114	YES
Ethylbenzene	20.00	21.03	105	82-119	YES
m+p-Xylene	40.00	42.10	105	83-113	YES
Xylene (Total)	60.00	62.95	105	83-113	YES
o-Xylene	20.00	20.85	104	83-113	YES
Styrene	20.00	20.79	104	82-111	YES
Bromoform	20.00	19.13	96	69-118	YES
Isopropylbenzene	20.00	20.86	104	80-120	YES
Cyclohexanone	500.00	729.38	146	7 -157	YES
1,1,2,2-Tetrachloroethane	20.00	20.84	104	72-119	YES
trans-1,4-Dichloro-2-Butene	100.00	97.40	97	40-141	YES
Bromobenzene	20.00	20.40	102	82-110	YES
1,2,3-Trichloropropane	20.00	21.48	107	78-117	YES
n-Propylbenzene	20.00	20.89	104	78-119	YES
2-Chlorotoluene	20.00	20.53	103	78-115	YES
1,3,5-Trimethylbenzene	20.00	20.78	104	78-116	YES
4-Chlorotoluene	20.00	20.26	101	80-112	YES
tert-Butylbenzene	20.00	20.90	104	74-114	YES
Pentachloroethane	20.00	19.56	98	63-116	YES
1,2,4-Trimethylbenzene	20.00	21.29	106	78-117	YES
sec-Butylbenzene	20.00	21.30	107	72-120	YES
p-Isopropyltoluene	20.00	21.29	106	72-118	YES
1,3-Dichlorobenzene	20.00	20.44	102	81-114	YES
1,4-Dichlorobenzene	20.00	20.39	102	84-116	YES
1,2,3-Trimethylbenzene	20.00	20.10	100	74-117	YES
Benzyl Chloride	20.00	19.39	97	71-120	YES
1,3-Diethylbenzene	20.00	19.96	100	68-121	YES
1,4-Diethylbenzene	20.00	20.22	101	68-121	YES
n-Butylbenzene	20.00	21.57	108	69-128	YES
1,2-Dichlorobenzene	20.00	20.13	101	81-112	YES
1,2-Diethylbenzene	20.00	19.81	99	68-121	YES
1,2-Dibromo-3-Chloropropane	20.00	19.01	95	55-127	YES
1,2,4-Trichlorobenzene	20.00	19.36	97	65-114	YES
Hexachlorobutadiene	20.00	19.38	97	56-120	YES
Naphthalene	20.00	19.36	97	61-116	YES
1,2,3-Trichlorobenzene	20.00	19.25	96	67-114	YES
Diethylbenzene (total)	60.00	59.99	100	68-121	YES

N/C = Could not calculate

Lab Chronicle: _____ Ent. by _____

_____ Ver. by _____

VOLATILE METHOD BLANK SUMMARY

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Lab File ID: lu13b03.d Lab Sample ID: VBLKL28

Date Analyzed: 06/13/06 Time Analyzed: 16:42

Matrix (soil/water) WATER Level: (low/med) LOW

Instrument ID: HP09915

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCSL28	LCSL28	lu13l03.d	17:33
02	-TF5-	4791555	lu13s16.d	18:13
03	-TF23	4791556	lu13s17.d	18:36
04	-DC2-	4791558	lu13s18.d	18:59
05	-DC1-	4791559	lu13s19.d	19:21
06	DB8B-	4791560	lu13s20.d	19:44

COMMENTS: L061642AA

0856

VOLATILE METHOD BLANK SUMMARY

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Lab File ID: lu13b05.d Lab Sample ID: VBLKL29

Date Analyzed: 06/13/06 Time Analyzed: 21:57

Matrix (soil/water) WATER Level: (low/med) LOW

Instrument ID: HP09915

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	OS2--	4791563	lu13s30.d	22:43
02	OS2--MS	4791564	lu13s31.d	23:05
03	OS2--MSD	4791565	lu13s32.d	23:28
04	TB1RC	4791567	lu13s33.d	23:50
05	OR2--	4791568	lu13s34.d	00:13
06	OS3--	4791569	lu13s35.d	00:36
07	OR3--	4791570	lu13s36.d	00:58
08	DB108	4791561	lu13s37.d	01:21
09	DB17-	4791562	lu13s38.d	01:43

COMMENTS: L061642AB

0057

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Lab File ID: lu06t03.d BFB Injection Date: 06/06/06

Instrument ID: HP09915 BFB Injection Time: 16:40

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.6
75	30.0 - 60.0% of mass 95	50.2
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.4 (0.5)1
174	Greater than 50.0% of mass 95	76.6
175	5.0 - 9.0% of mass 174	5.4 (7.1)1
176	Greater than 95.0%, but less than 101.0% of mass 174	74.6 (97.3)1
177	5.0 - 9.0% of mass 176	5.0 (6.7)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD100	VSTD100	lu06i02.d	06/06/06	17:25
02	VSTD050	VSTD050	lu06i03.d	06/06/06	17:47
03	VSTD020	VSTD020	lu06i04.d	06/06/06	18:10
04	VSTD004	VSTD004	lu06i06.d	06/06/06	18:55
05	VSTD001	1PPBMDL	lu06m01.d	06/06/06	19:18
06	VSTD300	VSTD300	lu06i07.d	06/06/06	19:40
07	VSTD010	VSTD010	lu06i08.d	06/06/06	20:30

0058

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Lab File ID: lu13t01.d BFB Injection Date: 06/13/06

Instrument ID: HP09915 BFB Injection Time: 08:05

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.9
75	30.0 - 60.0% of mass 95	50.2
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.6 (0.7)1
174	Greater than 50.0% of mass 95	77.1
175	5.0 - 9.0% of mass 174	5.9 (7.6)1
176	Greater than 95.0%, but less than 101.0% of mass 174	74.2 (96.3)1
177	5.0 - 9.0% of mass 176	4.8 (6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD050	VSTD050	lu13c01.d	06/13/06	08:28
02	VBLKL28	VBLKL28	lu13b03.d	06/13/06	16:42
03	LCSL28	LCSL28	lu13103.d	06/13/06	17:33
04	-TF5-	4791555	lu13s16.d	06/13/06	18:13
05	-TF23	4791556	lu13s17.d	06/13/06	18:36
06	-DC2-	4791558	lu13s18.d	06/13/06	18:59
07	-DC1-	4791559	lu13s19.d	06/13/06	19:21
08	DB8B-	4791560	lu13s20.d	06/13/06	19:44

FORM V VOA

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Lab File ID: lu13t04.d BFB Injection Date: 06/13/06

Instrument ID: HP09915 BFB Injection Time: 20:50

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	48.8
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.5 (0.7)1
174	Greater than 50.0% of mass 95	75.4
175	5.0 - 9.0% of mass 174	5.3 (7.1)1
176	Greater than 95.0%, but less than 101.0% of mass 174	73.3 (97.2)1
177	5.0 - 9.0% of mass 176	5.1 (6.9)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD100	VSTD100	lu13c02.d	06/13/06	21:12
02	VBLKL29	VBLKL29	lu13b05.d	06/13/06	21:57
03	OS2--	4791563	lu13s30.d	06/13/06	22:43
04	OS2--MS	4791564	lu13s31.d	06/13/06	23:05
05	OS2--MSD	4791565	lu13s32.d	06/13/06	23:28
06	TB1RC	4791567	lu13s33.d	06/13/06	23:50
07	OR2--	4791568	lu13s34.d	06/14/06	00:13
08	OS3--	4791569	lu13s35.d	06/14/06	00:36
09	OR3--	4791570	lu13s36.d	06/14/06	00:58
10	DB108	4791561	lu13s37.d	06/14/06	01:21
11	DB17-	4791562	lu13s38.d	06/14/06	01:43

FORM V VOA

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Lab File ID (Standard): lu13c01.d Date Analyzed: 06/13/06

Instrument ID: HP09915 Time Analyzed: 08:28

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

		IS1(TBA)		IS2(FBZ)		IS3(CBZ)		IS4(DCB)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	243347	4.067	1042855	7.558	786650	11.060	452541	12.941
	UPPER LIMIT	486694	4.567	2085710	8.058	1573300	11.560	905082	13.441
	LOWER LIMIT	121674	3.567	521428	7.058	393325	10.560	226270	12.441
	EPA SAMPLE NO.								
01	VBLKL28	219917	4.076	1057177	7.559	802022	11.063	433965	12.941
02	LCSL28	257058	4.083	1106791	7.562	838670	11.060	480301	12.941
03	-TF5-			1120109	7.558	853314	11.060	468860	12.941
04	-TF23			1077846	7.562	816490	11.063	449255	12.941
05	-DC2-			1035653	7.559	787069	11.060	429175	12.941
06	-DC1-			1020049	7.562	771746	11.063	423377	12.941
07	DB8B-			984107	7.559	750326	11.063	403617	12.941

IS1 (TBA)=t-Butyl Alcohol-d10
IS2 (FBZ)=Fluorobenzene
IS3 (CBZ)=Chlorobenzene-d5
IS4 (DCB)=1,4-Dichlorobenzene-d4

UPPER LIMIT = + 100%
of internal standard area.
LOWER LIMIT = - 50%
of internal standard area.

0061

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

FORM VIII VOA

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Lab File ID (Standard): lu13c02.d Date Analyzed: 06/13/06

Instrument ID: HP09915 Time Analyzed: 21:12

Matrix: (soil/water) WATER Level: (low/med) LOW Column: (pack/cap) CAP

	IS1(TBA) AREA #	RT #	IS2(FBZ) AREA #	RT #	IS3(CBZ) AREA #	RT #	IS4(DCB) AREA #	RT #
12 HOUR STD	243900	4.070	1070164	7.562	814406	11.063	473061	12.941
UPPER LIMIT	487800	4.570	2140328	8.062	1628812	11.563	946122	13.441
LOWER LIMIT	121950	3.570	535082	7.062	407203	10.563	236530	12.441
EPA SAMPLE NO.								
01 VBLKL29	217603	4.083	1025769	7.562	771848	11.063	419397	12.938
02 OS2--			1003004	7.562	757740	11.063	408538	12.941
03 OS2--MS			1039822	7.565	783690	11.063	440106	12.941
04 OS2--MSD			1068628	7.558	805867	11.060	456702	12.941
05 TB1RC			1009526	7.565	764486	11.063	415581	12.941
06 OR2--			981275	7.562	740064	11.063	401000	12.941
07 OS3--			969339	7.565	736559	11.063	396106	12.941
08 OR3--			940238	7.562	708188	11.063	379295	12.938
09 DB108			908036	7.562	693644	11.063	374354	12.941
10 DB17-			896131	7.565	679404	11.063	364640	12.941

IS1 (TBA)=t-Butyl Alcohol-d10
IS2 (FBZ)=Fluorobenzene
IS3 (CBZ)=Chlorobenzene-d5
IS4 (DCB)=1,4-Dichlorobenzene-d4

UPPER LIMIT = + 100%
of internal standard area.
LOWER LIMIT = - 50%
of internal standard area.

0062

Column used to flag values outside QC limits with an asterisk
* Values outside of QC limits.

Sample Data

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

-TF5-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791555

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13a.b/lu13s16.d

Level: (low/med) LOW Date Received: 06/10/06

Moisture: not dec. _____ Date Analyzed: 06/13/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
1634-04-4	Methyl Tertiary Butyl Ether	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
110-75-8	2-Chloroethyl Vinyl Ether	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

-TF5-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791555

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13a.b/lu13s16.d

Level: (low/med) LOW Date Received: 06/10/06

Moisture: not dec. _____ Date Analyzed: 06/13/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L		Q
1330-20-7	Xylene (Total)		5	U
75-25-2	Bromoform		5	U
79-34-5	1,1,2,2-Tetrachloroethane		5	U
541-73-1	1,3-Dichlorobenzene		5	U
106-46-7	1,4-Dichlorobenzene		5	U
95-50-1	1,2-Dichlorobenzene		5	U

0005

-TF5-

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4791555

File: /chem/HP09915.i/06jun13a.b/lu13s16.d
Sample: -TF5-;4791555;1;0;;;;;lu13b03
Injected At:13-JUN-2006 18:13
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b03.d
Sublist: CHEVENV

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AA
Analyst:ADS01731
Instrument ID:HP09915.i
Standard Reference: lu13c01.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)

Bottle Code:038A

Internal Standards	RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
70) Fluorobenzene	7.559(0.000)	1859	96	1120109(7)	50.00	
101) Chlorobenzene-d5	11.060(0.000)	2948	117	853314(8)	50.00	
132) 1,4-Dichlorobenzene-d4	12.941(0.000)	3533	152	468860(4)	50.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
51) Dibromofluoromethane	(1)	6.633(0.000)	113	284858	46.167	92%		80 - 116
62) 1,2-Dichloroethane-d4	(1)	7.099(-0.001)	102	63638	45.102	90%		77 - 113
89) Toluene-d8	(2)	9.600(0.000)	98	1104059	44.616	89%		80 - 113
113) 4-Bromofluorobenzene	(2)	12.057(0.000)	95	438991	39.850	80%		78 - 113

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
2) Chloromethane	(1)				ND	ND			1.00	5.00
3) Vinyl Chloride	(1)				ND	ND			1.00	5.00
6) Bromomethane	(1)				ND	ND			1.00	5.00
7) Chloroethane	(1)				ND	ND			1.00	5.00
8) Trichlorofluoromethane	(1)				ND	ND			2.00	5.00
16) 1,1-Dichloroethene	(1)				ND	ND			0.80	5.00
26) Methylene Chloride	(1)				ND	ND			2.00	5.00
30) trans-1,2-Dichloroethene	(1)				ND	ND			0.80	5.00
31) Methyl Tertiary Butyl Ether	(1)				ND	ND			0.50	5.00
40) 1,2-Dichloroethene (total)	(1)				ND	ND			0.80	5.00
36) 1,1-Dichloroethane	(1)				ND	ND			1.00	5.00
42) cis-1,2-Dichloroethene	(1)				ND	ND			0.80	5.00
49) Chloroform	(1)				ND	ND			0.80	5.00
54) 1,1,1-Trichloroethane	(1)				ND	ND			0.80	5.00
59) Carbon Tetrachloride	(1)				ND	ND			1.00	5.00
63) Benzene	(1)				ND	ND			0.50	5.00
64) 1,2-Dichloroethane	(1)				ND	ND			1.00	5.00
73) Trichloroethene	(1)				ND	ND			1.00	5.00
77) 1,2-Dichloropropane	(1)				ND	ND			1.00	5.00
82) Bromodichloromethane	(1)				ND	ND			1.00	5.00
84) 2-Chloroethyl Vinyl Ether	(1)				ND	ND			2.00	10.00
85) cis-1,3-Dichloropropene	(1)				ND	ND			1.00	5.00
90) Toluene	(2)				ND	ND			0.70	5.00
91) trans-1,3-Dichloropropene	(2)				ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

0000

-TF5-

Lancaster Laboratories
Quantitation Report GC/MS Volatiles 4791555

File: /chem/HP09915.i/06jun13a.b/lu13s16.d
Sample: -TF5-;4791555;1;0;;;;;lu13b03
Injected At:13-JUN-2006 18:13
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b03.d
Sublist: CHEVENV

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AA
Analyst:ADS01731
Instrument ID:HP09915.i
Standard Reference: lu13c01.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)

Bottle Code:038A

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
93) 1,1,2-Trichloroethane	(2)					ND	ND			0.80	5.00
94) Tetrachloroethene	(2)					ND	ND			0.80	5.00
98) Dibromochloromethane	(2)					ND	ND			1.00	5.00
102) Chlorobenzene	(2)					ND	ND			0.80	5.00
104) Ethylbenzene	(2)					ND	ND			0.80	5.00
105) m+p-Xylene	(2)					ND	ND			0.80	5.00
106) Xylene (Total)	(2)					ND	ND			0.80	5.00
107) o-Xylene	(2)					ND	ND			0.80	5.00
109) Bromoform	(2)					ND	ND			1.00	5.00
116) 1,1,2,2-Tetrachloroethane	(3)					ND	ND			1.00	5.00
131) 1,3-Dichlorobenzene	(3)					ND	ND			1.00	5.00
133) 1,4-Dichlorobenzene	(3)					ND	ND			1.00	5.00
139) 1,2-Dichlorobenzene	(3)					ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Comments: _____

Analyst: _____ Date: 6/13/06

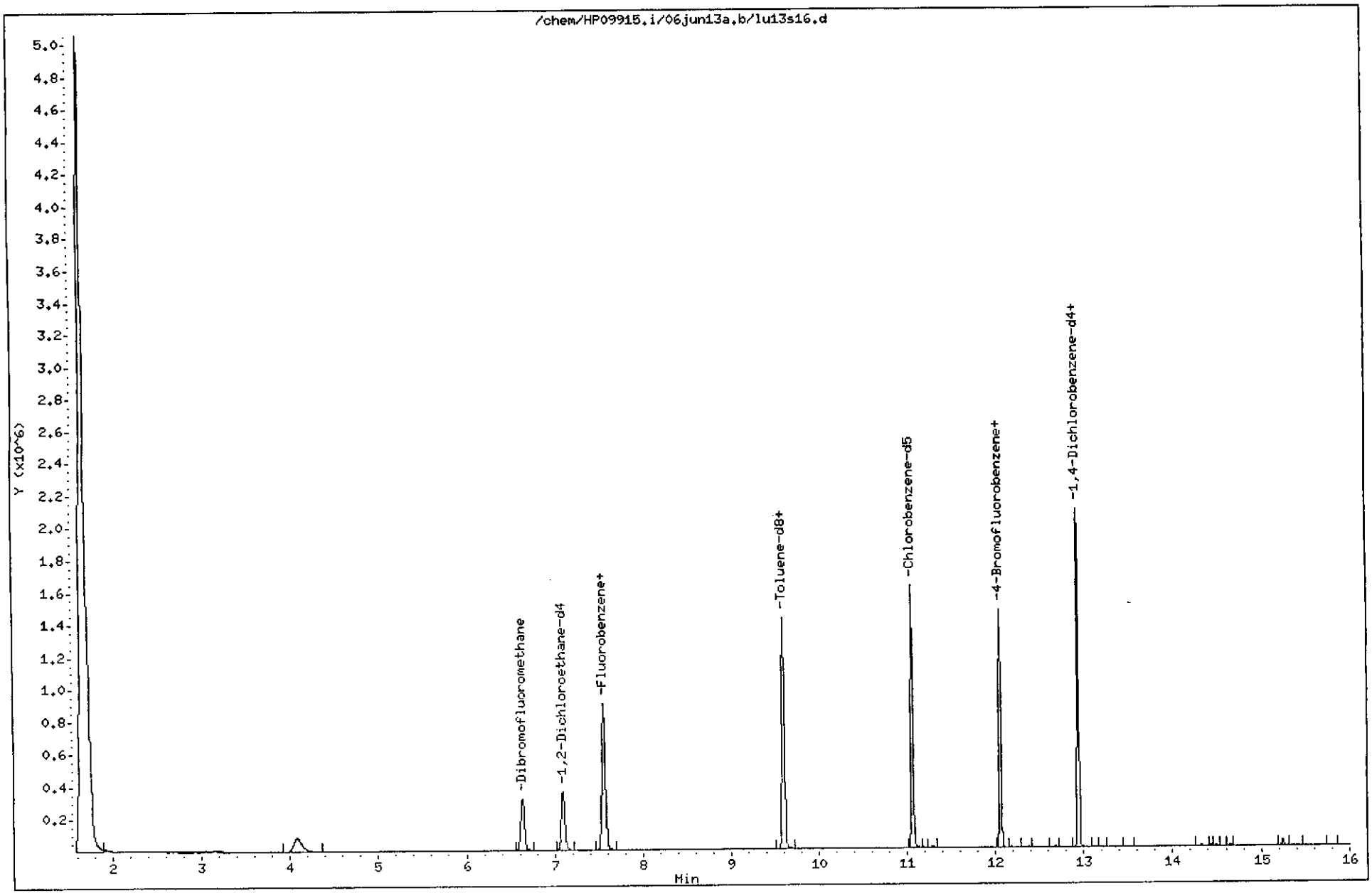
Auditor: _____ Date: 6/14/06

9867

Data File: /chem/HP09915.i/06jun13a.b/lu13s16.d
Date : 13-JUN-2006 18:13
Client ID: -TF5-
Sample Info: -TF5-;4791555;1;0;;;;;;lu13b03
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP09915.i

Operator: ADS01731
Column diameter: 0.25



Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun13a.b/lu13s16.d Instrument ID: HP09915.i
Injection date and time: 13-JUN-2006 18:13 Analyst ID: ADS01731

Method used: /chem/HP09915.i/06jun13a.b/L8260W.m Sublist used: CHEVENV
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 13-Jun-2006 19:41 lcm01518

Sample Name: -TF5- Lab Sample ID: 4791555

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
70) *Fluorobenzene	(1)	7.559	96	1120109	50.000
101) *Chlorobenzene-d5	(2)	11.060	117	853314	50.000
132) *1,4-Dichlorobenzene-d4	(3)	12.941	152	468860	50.000
51) $Dibromofluoromethane	(1)	6.633	113	284858	46.167
62) $1,2-Dichloroethane-d4	(1)	7.099	102	63638	45.102
89) $Toluene-d8	(2)	9.600	98	1104059	44.616
113) $4-Bromofluorobenzene	(2)	12.057	95	438991	39.850

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

-TF23

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791556

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13a.b/lu13s17.d

Level: (low/med) LOW Date Received: 06/10/06

Moisture: not dec. _____ Date Analyzed: 06/13/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
1634-04-4	Methyl Tertiary Butyl Ether	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
110-75-8	2-Chloroethyl Vinyl Ether	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

-TF23

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791556

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13a.b/lu13s17.d

Level: (low/med) LOW Date Received: 06/10/06

Moisture: not dec. _____ Date Analyzed: 06/13/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1330-20-7	Xylene (Total)	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U

0071

-TF23

Lancaster Laboratories
Quantitation Report GC/MS Volatiles 4791556

File: /chem/HP09915.i/06jun13a.b/lu13s17.d
Sample: -TF23;4791556;1;0;;;;;lu13b03
Injected At:13-JUN-2006 18:36
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b03.d
Sublist: CHEVENV

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:**L061642AA**
Analyst:**ADS01731**
Instrument ID:**HP09915.i**
Standard Reference: lu13c01.d
Prep Factor:**1.00**
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)

Bottle Code:**038A**

Internal Standards	RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
70) Fluorobenzene	7.562(-0.003)	1860	96	1077846(3)	50.00	
101) Chlorobenzene-d5	11.063(-0.003)	2949	117	816490(4)	50.00	
132) 1,4-Dichlorobenzene-d4	12.941(0.000)	3533	152	449255(-1)	50.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
51) Dibromofluoromethane	(1)	6.639(-0.001)	113	273241	46.021	92%		80 - 116
62) 1,2-Dichloroethane-d4	(1)	7.099(-0.001)	102	60175	44.320	89%		77 - 113
89) Toluene-d8	(2)	9.600(0.000)	98	1058168	44.690	89%		80 - 113
113) 4-Bromofluorobenzene	(2)	12.057(0.000)	95	420754	39.917	80%		78 - 113

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
2) Chloromethane	(1)				ND	ND			1.00	5.00
3) Vinyl Chloride	(1)				ND	ND			1.00	5.00
6) Bromomethane	(1)				ND	ND			1.00	5.00
7) Chloroethane	(1)				ND	ND			1.00	5.00
8) Trichlorofluoromethane	(1)				ND	ND			2.00	5.00
16) 1,1-Dichloroethene	(1)				ND	ND			0.80	5.00
26) Methylene Chloride	(1)				ND	ND			2.00	5.00
30) trans-1,2-Dichloroethene	(1)				ND	ND			0.80	5.00
31) Methyl Tertiary Butyl Ether	(1)				ND	ND			0.50	5.00
40) 1,2-Dichloroethene (total)	(1)				ND	ND			0.80	5.00
36) 1,1-Dichloroethane	(1)				ND	ND			1.00	5.00
42) cis-1,2-Dichloroethene	(1)				ND	ND			0.80	5.00
49) Chloroform	(1)				ND	ND			0.80	5.00
54) 1,1,1-Trichloroethane	(1)				ND	ND			0.80	5.00
59) Carbon Tetrachloride	(1)				ND	ND			1.00	5.00
63) Benzene	(1)				ND	ND			0.50	5.00
64) 1,2-Dichloroethane	(1)				ND	ND			1.00	5.00
73) Trichloroethene	(1)				ND	ND			1.00	5.00
77) 1,2-Dichloropropane	(1)				ND	ND			1.00	5.00
82) Bromodichloromethane	(1)				ND	ND			1.00	5.00
84) 2-Chloroethyl Vinyl Ether	(1)				ND	ND			2.00	10.00
85) cis-1,3-Dichloropropene	(1)				ND	ND			1.00	5.00
90) Toluene	(2)				ND	ND			0.70	5.00
91) trans-1,3-Dichloropropene	(2)				ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

6872

-TF23

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4791556

File: /chem/HP09915.i/06jun13a.b/lu13s17.d
Sample: -TF23;4791556;1;0;;;;;lu13b03
Injected At:13-JUN-2006 18:36
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b03.d
Sublist: CHEVENV

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:**L061642AA**
Analyst:**ADS01731**
Instrument ID:**HP09915.i**
Standard Reference: lu13c01.d
Prep Factor:**1.00**
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)

Bottle Code:**038A**

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
93) 1,1,2-Trichloroethane	(2)					ND	ND			0.80	5.00
94) Tetrachloroethene	(2)					ND	ND			0.80	5.00
98) Dibromochloromethane	(2)					ND	ND			1.00	5.00
102) Chlorobenzene	(2)					ND	ND			0.80	5.00
104) Ethylbenzene	(2)					ND	ND			0.80	5.00
105) m+p-Xylene	(2)					ND	ND			0.80	5.00
106) Xylene (Total)	(2)					ND	ND			0.80	5.00
107) o-Xylene	(2)					ND	ND			0.80	5.00
109) Bromoform	(2)					ND	ND			1.00	5.00
116) 1,1,2,2-Tetrachloroethane	(3)					ND	ND			1.00	5.00
131) 1,3-Dichlorobenzene	(3)					ND	ND			1.00	5.00
133) 1,4-Dichlorobenzene	(3)					ND	ND			1.00	5.00
139) 1,2-Dichlorobenzene	(3)					ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Comments: _____

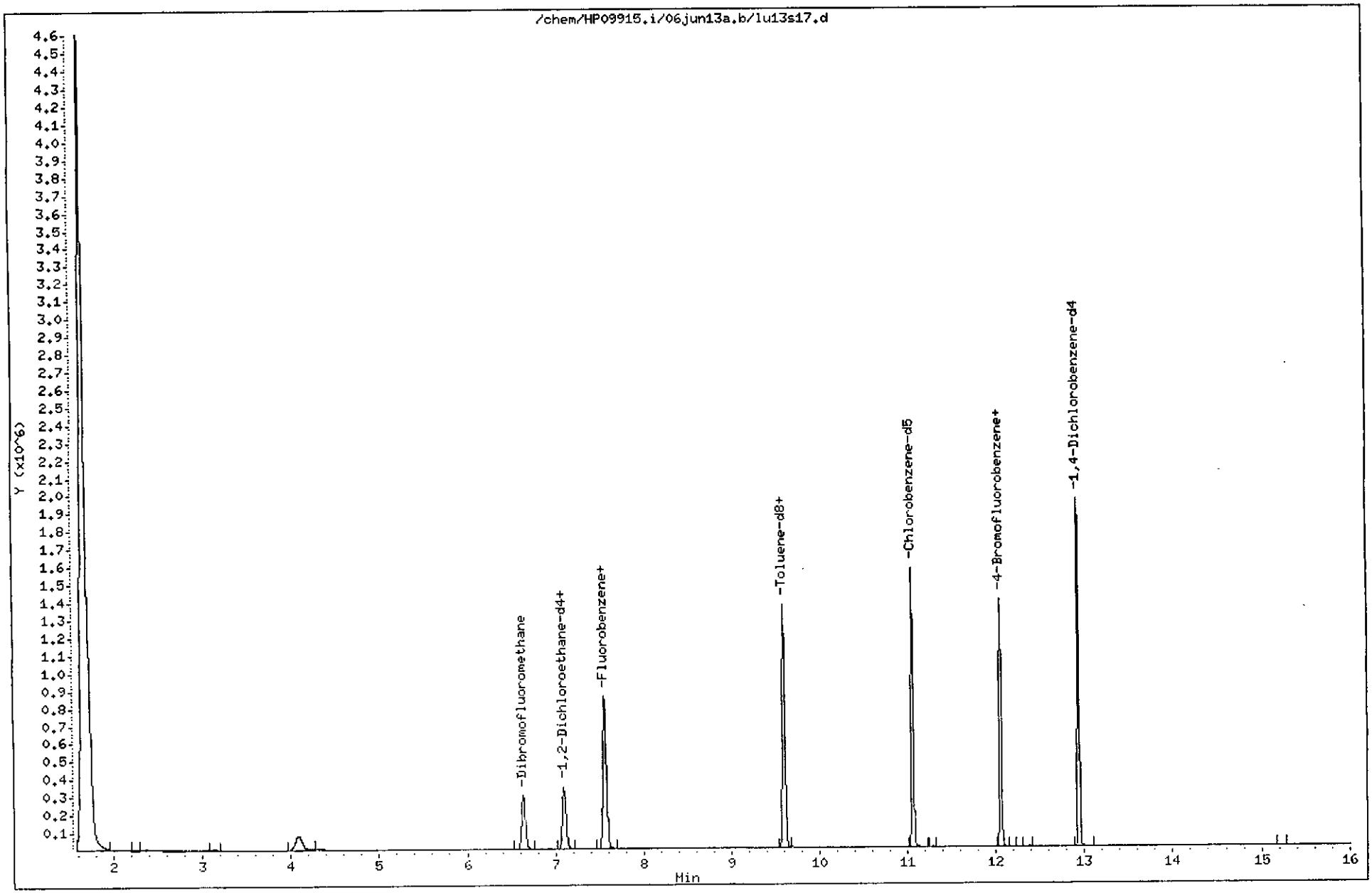
Analyst: _____ Date: 6/13/06

Auditor: _____ Date: 6/14/06

Data File: /chem/HP09915.i/06jun13a.b/lu13s17.d
Date : 13-JUN-2006 18:36
Client ID: -TF23
Sample Info: -TF23;4791856;1;0;;;;;lu13b03
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP09915.i

Operator: ADS01731
Column diameter: 0.25



Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun13a.b/lu13s17.d Instrument ID: HP09915.i
Injection date and time: 13-JUN-2006 18:36 Analyst ID: ADS01731

Method used: /chem/HP09915.i/06jun13a.b/L8260W.m Sublist used: CHEVENV
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 13-Jun-2006 19:42 lcm01518

Sample Name: -TF23 Lab Sample ID: 4791556

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
70)*Fluorobenzene	(1)	7.562	96	1077846	50.000
101)*Chlorobenzene-d5	(2)	11.063	117	816490	50.000
132)*1,4-Dichlorobenzene-d4	(3)	12.941	152	449255	50.000
51)$Dibromofluoromethane	(1)	6.639	113	273241	46.021
62)$1,2-Dichloroethane-d4	(1)	7.099	102	60175	44.320
89)$Toluene-d8	(2)	9.600	98	1058168	44.690
113)$4-Bromofluorobenzene	(2)	12.057	95	420754	39.917

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

-DC2-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791558

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13a.b/lu13s18.d

Level: (low/med) LOW Date Received: 06/10/06

Moisture: not dec. _____ Date Analyzed: 06/13/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
1634-04-4	Methyl Tertiary Butyl Ether	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
110-75-8	2-Chloroethyl Vinyl Ether	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	0.8	J
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

-DC2-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791558

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13a.b/lu13s18.d

Level: (low/med) LOW Date Received: 06/10/06

Moisture: not dec. _____ Date Analyzed: 06/13/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L		Q
1330-20-7	Xylene (Total)		5	U
75-25-2	Bromoform		5	U
79-34-5	1,1,2,2-Tetrachloroethane		5	U
541-73-1	1,3-Dichlorobenzene		5	U
106-46-7	1,4-Dichlorobenzene		5	U
95-50-1	1,2-Dichlorobenzene		5	U

-DC2-

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4791558

File: /chem/HP09915.i/06jun13a.b/lu13s18.d
Sample: -DC2-;4791558;1;0;;;;;lu13b03
Injected At:13-JUN-2006 18:59
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b03.d
Sublist: CHEVENV

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AA
Analyst:ADS01731
Instrument ID:HP09915.i
Standard Reference: lu13c01.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)

Bottle Code:038A

Internal Standards	RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
70) Fluorobenzene	7.559(0.000)	1859	96	1035653(-1)	50.00	
101) Chlorobenzene-d5	11.060(0.000)	2948	117	787069(0)	50.00	
132) 1,4-Dichlorobenzene-d4	12.941(0.000)	3533	152	429175(-5)	50.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
51) Dibromofluoromethane	(1)	6.633(0.000)	113	262531	46.018	92%		80 - 116
62) 1,2-Dichloroethane-d4	(1)	7.099(-0.001)	102	59278	45.438	91%		77 - 113
89) Toluene-d8	(2)	9.600(0.000)	98	1020081	44.692	89%		80 - 113
113) 4-Bromofluorobenzene	(2)	12.057(0.000)	95	402484	39.611	79%		78 - 113

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
2) Chloromethane	(1)				ND	ND			1.00	5.00
3) Vinyl Chloride	(1)				ND	ND			1.00	5.00
6) Bromomethane	(1)				ND	ND			1.00	5.00
7) Chloroethane	(1)				ND	ND			1.00	5.00
8) Trichlorofluoromethane	(1)				ND	ND			2.00	5.00
16) 1,1-Dichloroethene	(1)				ND	ND			0.80	5.00
26) Methylene Chloride	(1)				ND	ND			2.00	5.00
30) trans-1,2-Dichloroethene	(1)				ND	ND			0.80	5.00
31) Methyl Tertiary Butyl Ether	(1)				ND	ND			0.50	5.00
40) 1,2-Dichloroethene (total)	(1)				ND	ND			0.80	5.00
36) 1,1-Dichloroethane	(1)				ND	ND			1.00	5.00
42) cis-1,2-Dichloroethene	(1)				ND	ND			0.80	5.00
49) Chloroform	(1)				ND	ND			0.80	5.00
54) 1,1,1-Trichloroethane	(1)				ND	ND			0.80	5.00
59) Carbon Tetrachloride	(1)				ND	ND			1.00	5.00
63) Benzene	(1)				ND	ND			0.50	5.00
64) 1,2-Dichloroethane	(1)				ND	ND			1.00	5.00
73) Trichloroethene	(1)				ND	ND			1.00	5.00
77) 1,2-Dichloropropane	(1)				ND	ND			1.00	5.00
82) Bromodichloromethane	(1)				ND	ND			1.00	5.00
84) 2-Chloroethyl Vinyl Ether	(1)				ND	ND			2.00	10.00
85) cis-1,3-Dichloropropene	(1)				ND	ND			1.00	5.00
90) Toluene	(2)	9.678(0.000)	92	10862	0.817	0.82		J	0.70	5.00
91) trans-1,3-Dichloropropene	(2)				ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

8878

-DC2-

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4791558

File: /chem/HP09915.i/06jun13a.b/lu13s18.d
Sample: -DC2-;4791558;1;0;;;;;lu13b03
Injected At:13-JUN-2006 18:59
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b03.d
Sublist: CHEVENV

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AA
Analyst:ADS01731
Instrument ID:HP09915.i
Standard Reference: lu13c01.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:038A

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
93) 1,1,2-Trichloroethane	(2)					ND	ND			0.80	5.00
94) Tetrachloroethene	(2)					ND	ND			0.80	5.00
98) Dibromochloromethane	(2)					ND	ND			1.00	5.00
102) Chlorobenzene	(2)					ND	ND			0.80	5.00
104) Ethylbenzene	(2)					ND	ND			0.80	5.00
105) m+p-Xylene	(2)					ND	ND			0.80	5.00
106) Xylene (Total)	(2)					ND	ND			0.80	5.00
107) o-Xylene	(2)					ND	ND			0.80	5.00
109) Bromoform	(2)					ND	ND			1.00	5.00
116) 1,1,2,2-Tetrachloroethane	(3)					ND	ND			1.00	5.00
131) 1,3-Dichlorobenzene	(3)					ND	ND			1.00	5.00
133) 1,4-Dichlorobenzene	(3)					ND	ND			1.00	5.00
139) 1,2-Dichlorobenzene	(3)					ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

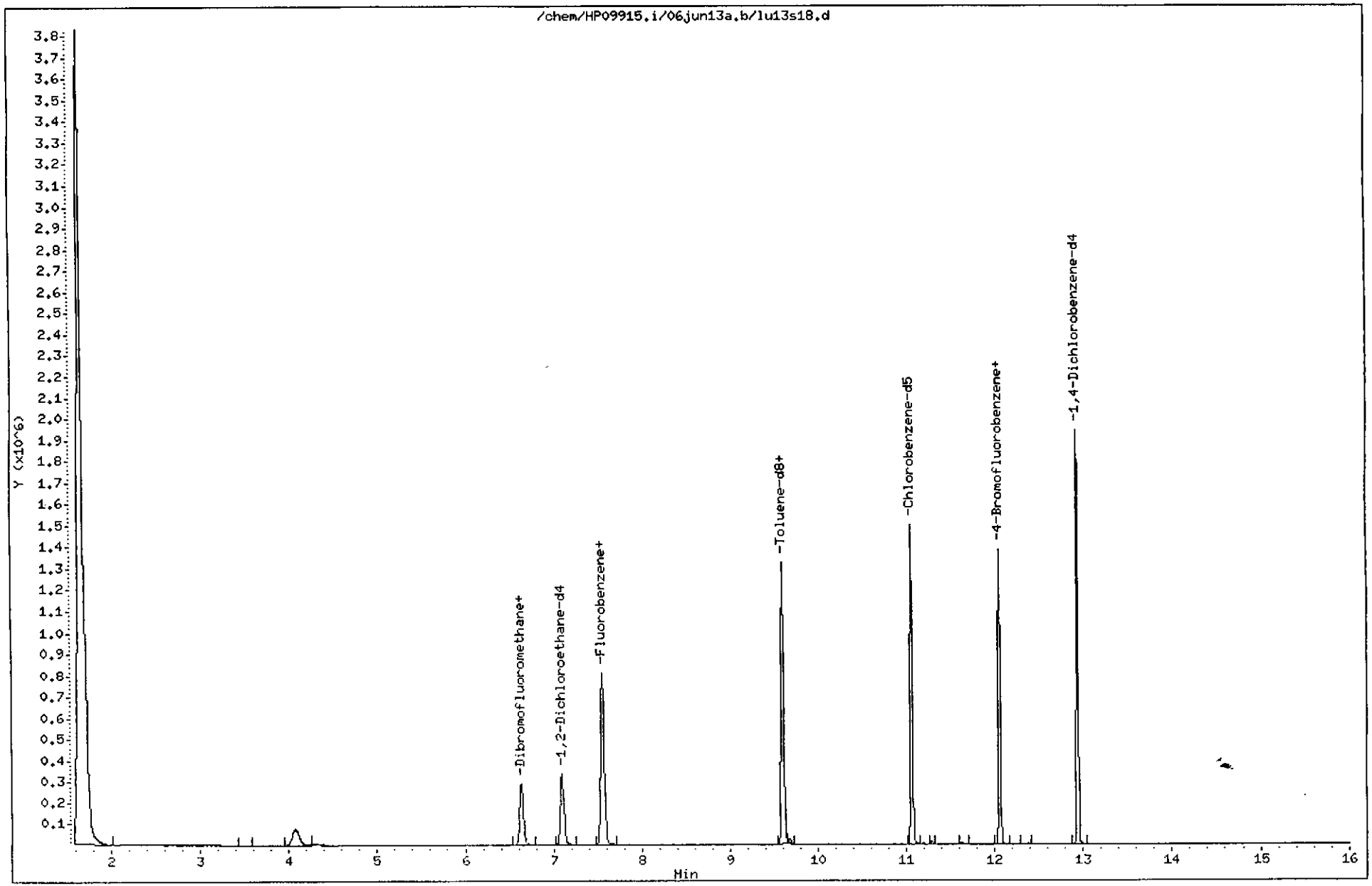
Comments: _____

Analyst: _____ Date: 6/13/06

Auditor: _____ Date: 6/14/06

Data File: /chem/HP09915.i/06jun13a.b/lu13s18.d
Date : 13-JUN-2006 18:59
Client ID: -DC2-
Sample Info: -DC2-;4791558;1;0;;;;;lu13b03
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP09915.i
Operator: ADS01731
Column diameter: 0.25



Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun13a.b/lu13s18.d Instrument ID: HP09915.i
Injection date and time: 13-JUN-2006 18:59 Analyst ID: ADS01731

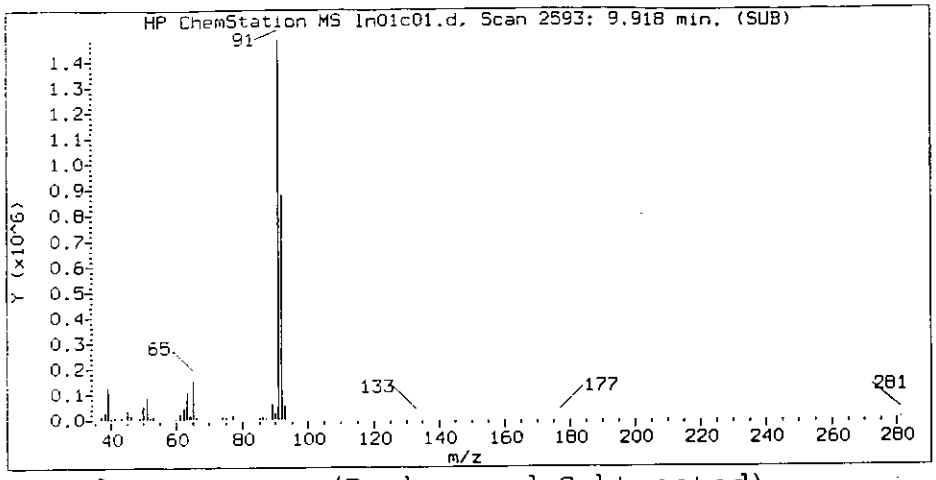
Method used: /chem/HP09915.i/06jun13a.b/L8260W.m Sublist used: CHEVENV
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 13-Jun-2006 19:43 lcm01518

Sample Name: -DC2- Lab Sample ID: 4791558

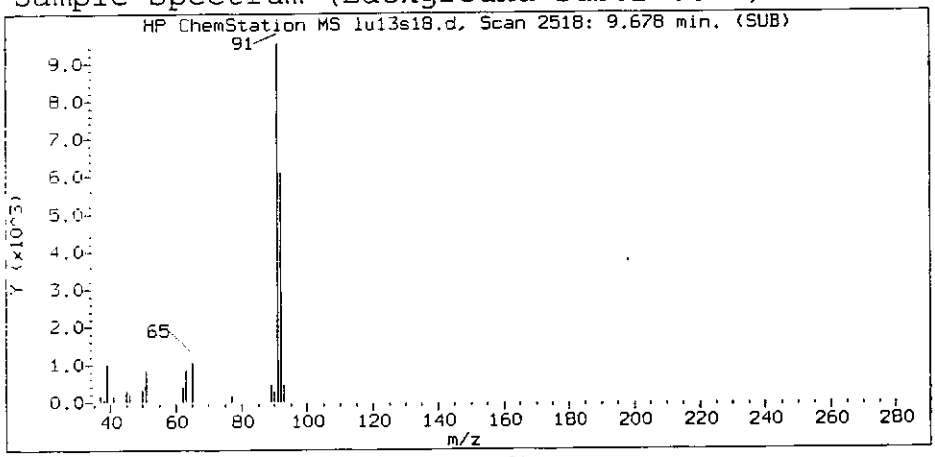
Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
70)*Fluorobenzene	(1)	7.559	96	1035653	50.000
90) Toluene	(2)	9.678	92	10862	0.817
101)*Chlorobenzene-d5	(2)	11.060	117	787069	50.000
132)*1,4-Dichlorobenzene-d4	(3)	12.941	152	429175	50.000
51)$Dibromofluoromethane	(1)	6.633	113	262531	46.018
62)$1,2-Dichloroethane-d4	(1)	7.099	102	59278	45.438
89)$Toluene-d8	(2)	9.600	98	1020081	44.692
113)$4-Bromofluorobenzene	(2)	12.057	95	402484	39.611

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

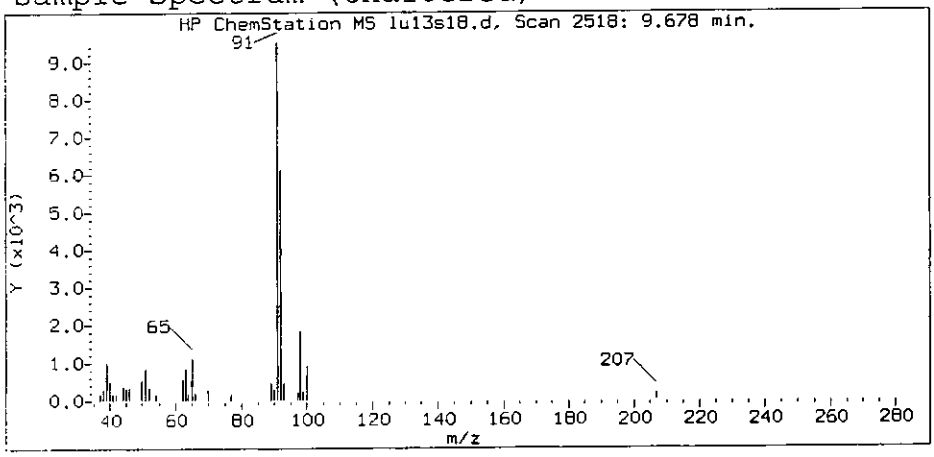
Reference Standard Spectrum for Toluene

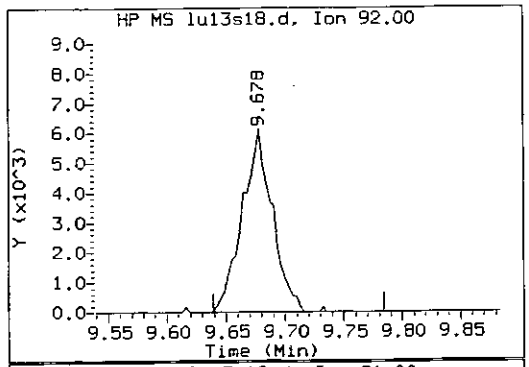


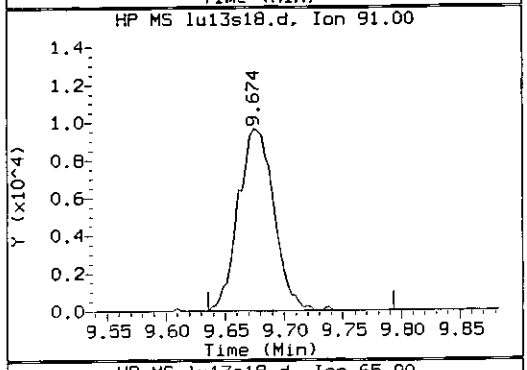
Sample Spectrum (Background Subtracted)

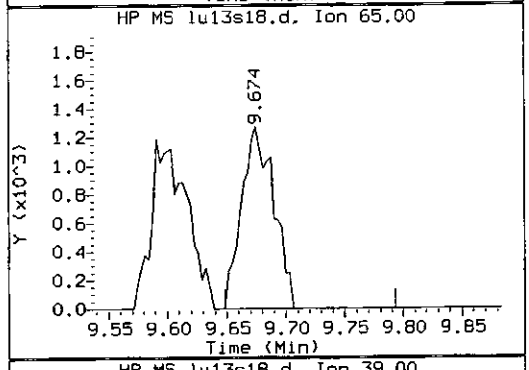


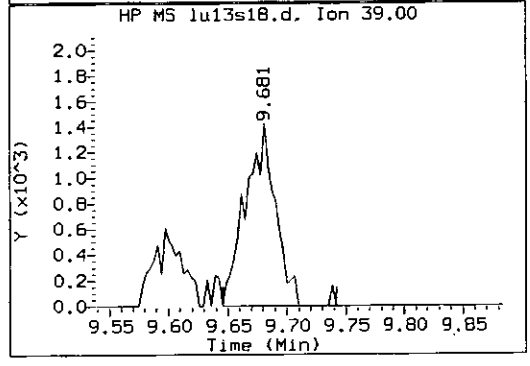
Sample Spectrum (Unaltered)











Data File: /chem/HP09915.i/06jun13a.b/lu13s18.d
Injection date and time: 13-JUN-2006 18:59

Instrument ID: HP09915.i
Analyst ID: ADS01731

Method used: /chem/HP09915.i/06jun13a.b/L8260W.m
Calibration date and time: 13-JUN-2006 15:13

Sublist used: CHEVENV

Date, time and analyst ID of latest file update: 13-Jun-2006 19:43 lcm01518

Sample Name: -DC2-

Lab Sample ID: 4791558

Compound Number	: 90
Compound Name	: Toluene
Scan Number	: 2518
Retention Time (minutes)	: 9.678
Quant Ion	: 92.0
Area (flag)	: 10862
Concentration (ug/L)	: 0.8169

0882

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

-DC1-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791559

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13a.b/lu13s19.d

Level: (low/med) LOW Date Received: 06/10/06

Moisture: not dec. _____ Date Analyzed: 06/13/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
1634-04-4	Methyl Tertiary Butyl Ether	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	7	
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	11	
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
110-75-8	2-Chloroethyl Vinyl Ether	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

-DC1-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791559

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13a.b/lu13s19.d

Level: (low/med) LOW Date Received: 06/10/06

Moisture: not dec. _____ Date Analyzed: 06/13/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1330-20-7	Xylene (Total)	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U

8884

-DC1-

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4791559

File: /chem/HP09915.i/06jun13a.b/lu13s19.d
Sample: -DC1-;4791559;1;0;;;;;lu13b03
Injected At:13-JUN-2006 19:21
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b03.d
Sublist: CHEVENV

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AA
Analyst:AD901731
Instrument ID:HP09915.i
Standard Reference: lu13c01.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:038A

Internal Standards	RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
70) Fluorobenzene	7.562(-0.003)	1860	96	1020049(-2)	50.00	
101) Chlorobenzene-d5	11.063(-0.003)	2949	117	771746(-2)	50.00	
132) 1,4-Dichlorobenzene-d4	12.941(0.000)	3533	152	423377(-6)	50.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
51) Dibromofluoromethane	(1)	6.639(-0.001)	113	260497	46.360	93%		80 - 116
62) 1,2-Dichloroethane-d4	(1)	7.102(-0.001)	102	56971	44.338	89%		77 - 113
89) Toluene-d8	(2)	9.600(0.000)	98	1000123	44.688	89%		80 - 113
113) 4-Bromofluorobenzene	(2)	12.060(0.000)	95	392058	39.351	79%		78 - 113

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
2) Chloromethane	(1)				ND	ND			1.00	5.00
3) Vinyl Chloride	(1)				ND	ND			1.00	5.00
6) Bromomethane	(1)				ND	ND			1.00	5.00
7) Chloroethane	(1)				ND	ND			1.00	5.00
8) Trichlorofluoromethane	(1)				ND	ND			2.00	5.00
16) 1,1-Dichloroethene	(1)				ND	ND			0.80	5.00
26) Methylene Chloride	(1)				ND	ND			2.00	5.00
30) trans-1,2-Dichloroethene	(1)				ND	ND			0.80	5.00
31) Methyl Tertiary Butyl Ether	(1)				ND	ND			0.50	5.00
40) 1,2-Dichloroethene (total)	(1)		96	38189	7.270	7.27			0.80	5.00
36) 1,1-Dichloroethane	(1)				ND	ND			1.00	5.00
42) cis-1,2-Dichloroethene	(1)	5.964(-0.001)	96	38189	7.270	7.27			0.80	5.00
49) Chloroform	(1)				ND	ND			0.80	5.00
54) 1,1,1-Trichloroethane	(1)				ND	ND			0.80	5.00
59) Carbon Tetrachloride	(1)				ND	ND			1.00	5.00
63) Benzene	(1)				ND	ND			0.50	5.00
64) 1,2-Dichloroethane	(1)				ND	ND			1.00	5.00
73) Trichloroethene	(1)	8.050(0.000)	95	60226	11.255	11.26			1.00	5.00
77) 1,2-Dichloropropane	(1)				ND	ND			1.00	5.00
82) Bromodichloromethane	(1)				ND	ND			1.00	5.00
84) 2-Chloroethyl Vinyl Ether	(1)				ND	ND			2.00	10.00
85) cis-1,3-Dichloropropene	(1)				ND	ND			1.00	5.00
90) Toluene	(2)				ND	ND			0.70	5.00
91) trans-1,3-Dichloropropene	(2)				ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

-DC1-

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4791559

File: /chem/HP09915.i/06jun13a.b/lu13s19.d
Sample: -DC1-;4791559;1;0;;;;;lu13b03
Injected At:13-JUN-2006 19:21
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b03.d
Sublist: CHEVENV

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AA
Analyst:ADS01731
Instrument ID:HP09915.i
Standard Reference: lu13c01.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:038A

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
93) 1,1,2-Trichloroethane	(2)					ND	ND			0.80	5.00
94) Tetrachloroethene	(2)					ND	ND			0.80	5.00
98) Dibromochloromethane	(2)					ND	ND			1.00	5.00
102) Chlorobenzene	(2)					ND	ND			0.80	5.00
104) Ethylbenzene	(2)					ND	ND			0.80	5.00
105) m+p-Xylene	(2)					ND	ND			0.80	5.00
106) Xylene (Total)	(2)					ND	ND			0.80	5.00
107) o-Xylene	(2)					ND	ND			0.80	5.00
109) Bromoform	(2)					ND	ND			1.00	5.00
116) 1,1,2,2-Tetrachloroethane	(3)					ND	ND			1.00	5.00
131) 1,3-Dichlorobenzene	(3)					ND	ND			1.00	5.00
133) 1,4-Dichlorobenzene	(3)					ND	ND			1.00	5.00
139) 1,2-Dichlorobenzene	(3)					ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Comments: _____

Analyst: _____ Date: 6/13/06

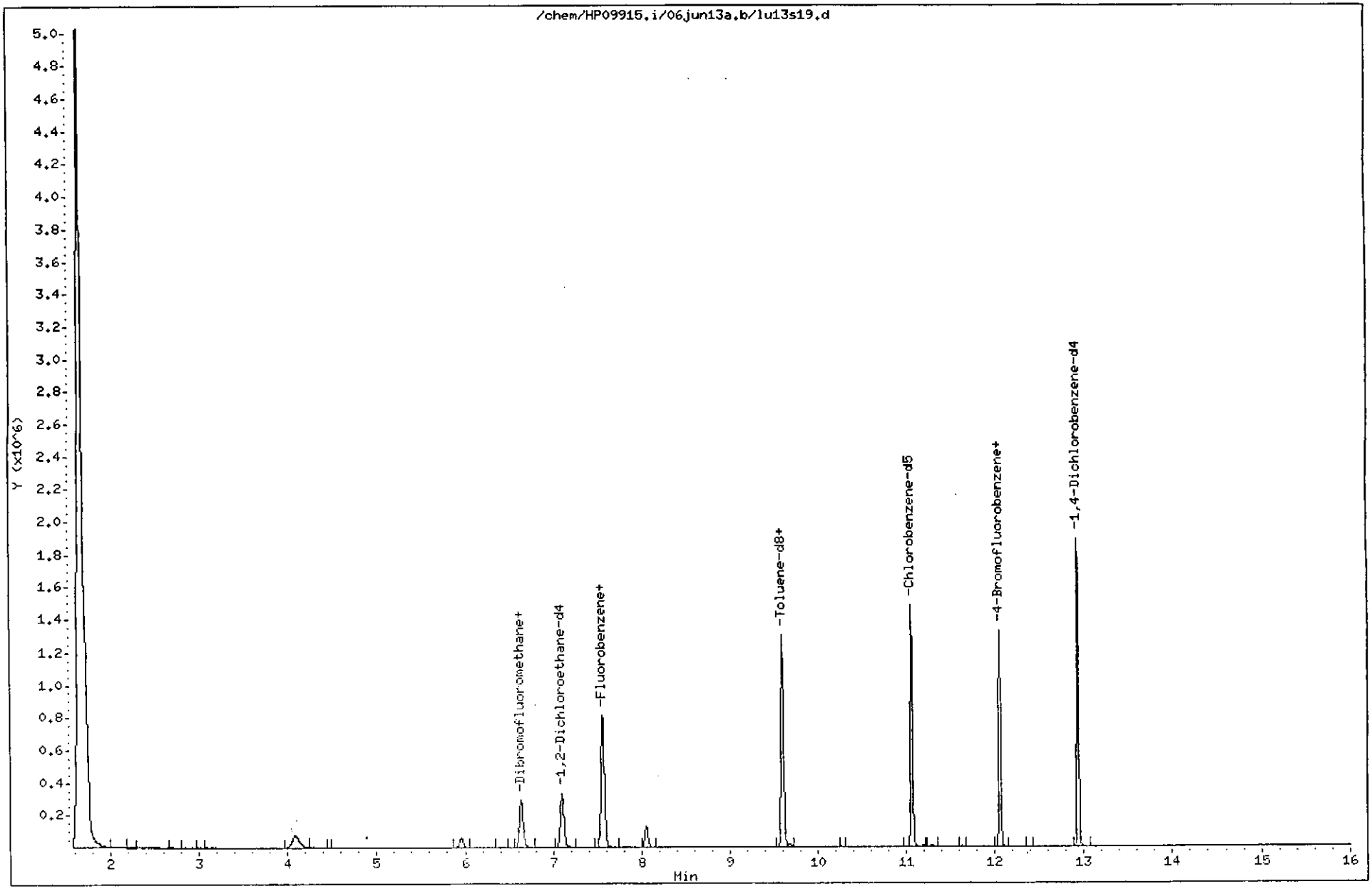
Auditor: _____ Date: 6/14/06

8886

Data File: /chem/HP09915.i/06jun13a.b/lu13s19.d
Date : 13-JUN-2006 19:21
Client ID: -DC1-
Sample Info: -DC1-;4791559;1;0;;;;;lu13b03
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP09915.i

Operator: ADS01731
Column diameter: 0.25



Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun13a.b/lu13s19.d Instrument ID: HP09915.i
Injection date and time: 13-JUN-2006 19:21 Analyst ID: ADS01731

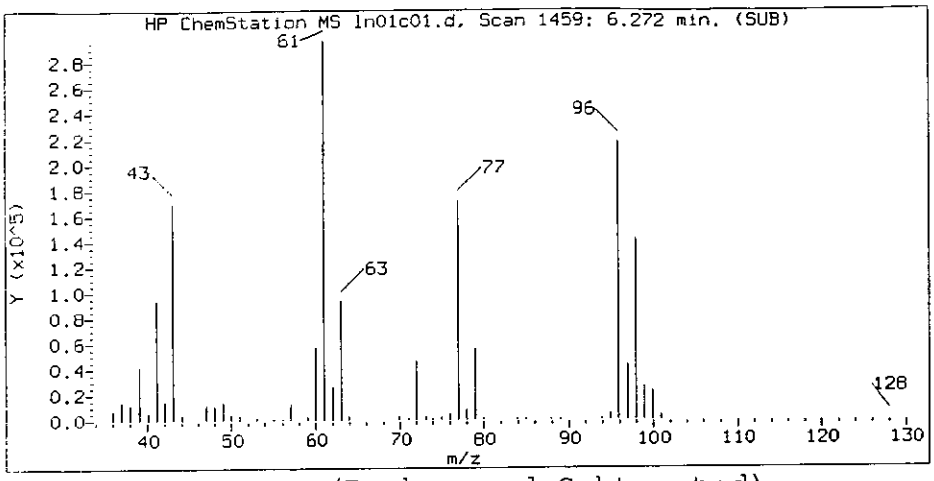
Method used: /chem/HP09915.i/06jun13a.b/L8260W.m Sublist used: CHEVENV
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 13-Jun-2006 20:36 lcm01518

Sample Name: -DC1- Lab Sample ID: 4791559

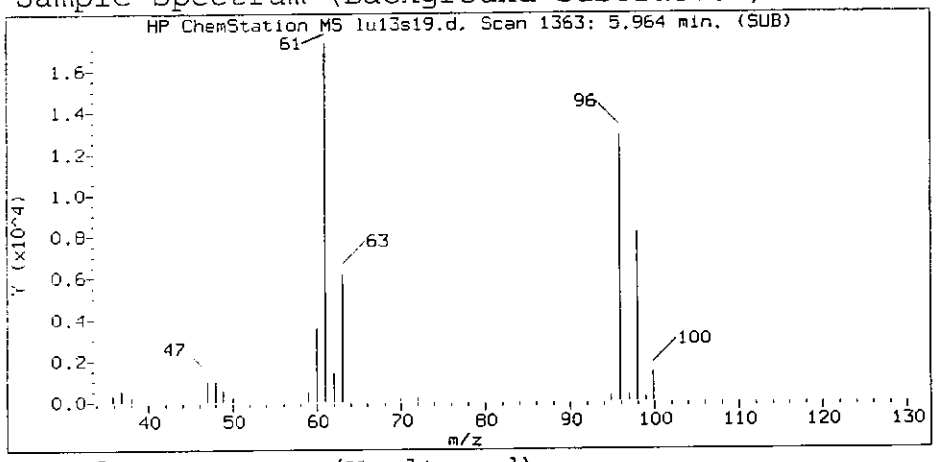
Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
40) 1,2-Dichloroethene (total)	(1)		96	38189	7.270
42) cis-1,2-Dichloroethene	(1)	5.964	96	38189	7.270
70)*Fluorobenzene	(1)	7.562	96	1020049	50.000
73) Trichloroethene	(1)	8.050	95	60226	11.255
101)*Chlorobenzene-d5	(2)	11.063	117	771746	50.000
132)*1,4-Dichlorobenzene-d4	(3)	12.941	152	423377	50.000
51)$Dibromofluoromethane	(1)	6.639	113	260497	46.360
62)$1,2-Dichloroethane-d4	(1)	7.102	102	56971	44.338
89)$Toluene-d8	(2)	9.600	98	1000123	44.688
113)$4-Bromofluorobenzene	(2)	12.060	95	392058	39.351

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

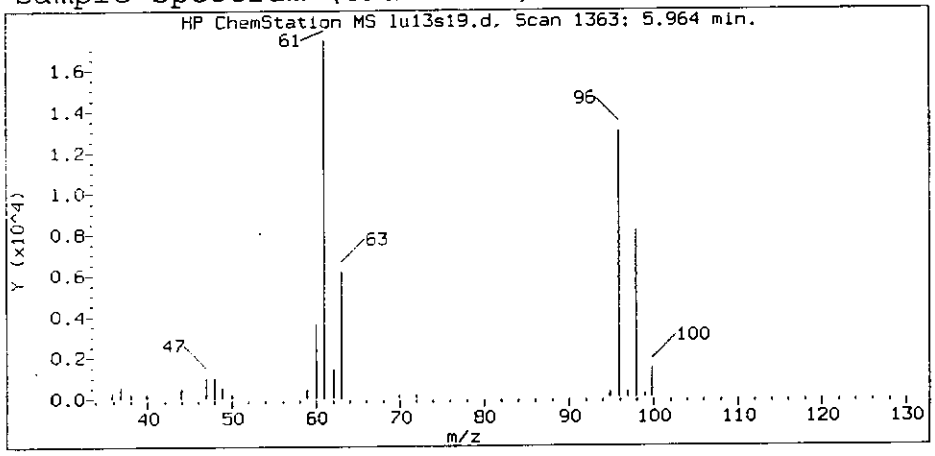
Reference Standard Spectrum for cis-1,2-Dichloroethene

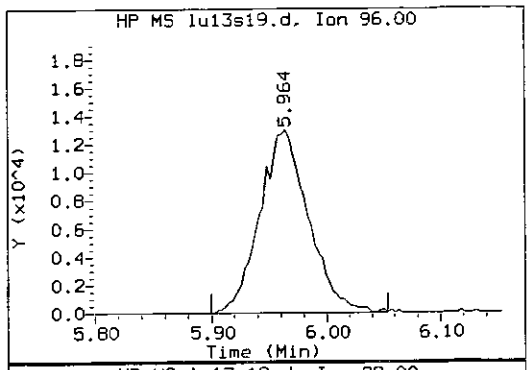


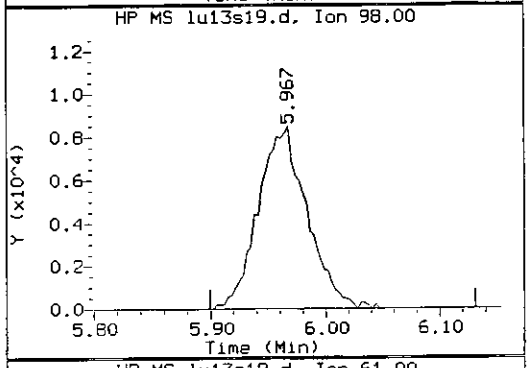
Sample Spectrum (Background Subtracted)

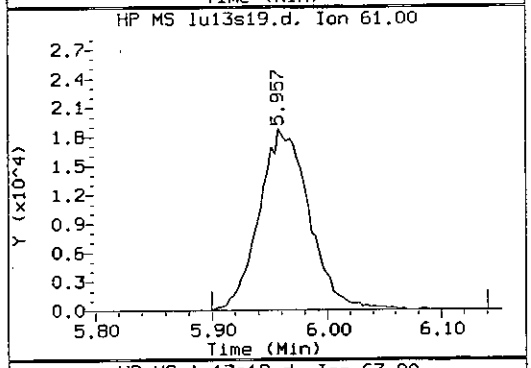


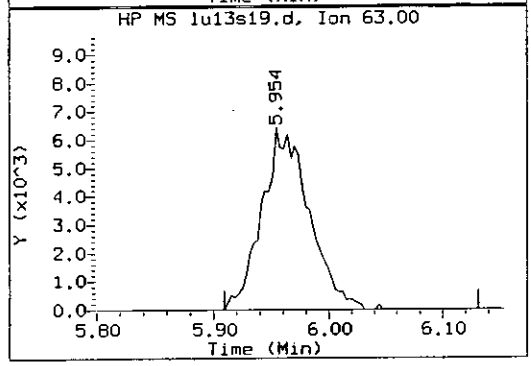
Sample Spectrum (Unaltered)











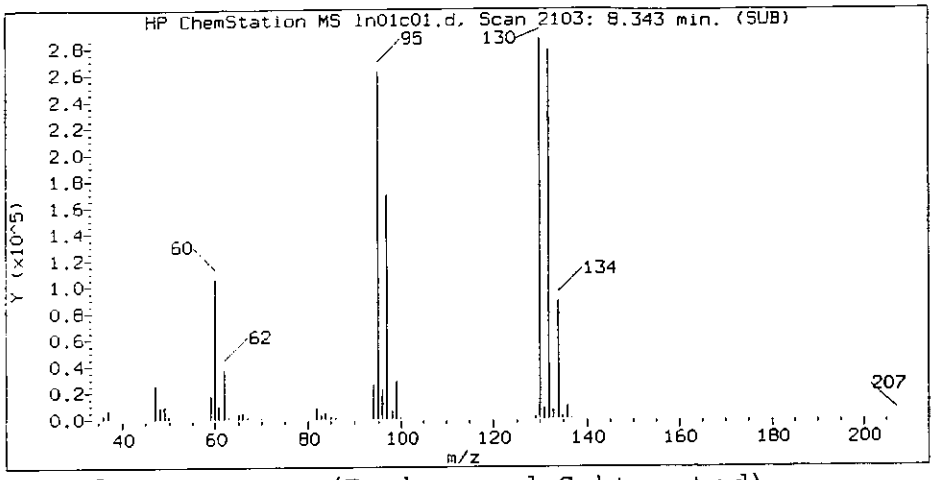
Data File: /chem/HP09915.i/06jun13a.b/lu13s19.d Instrument ID: HP09915.i
Injection date and time: 13-JUN-2006 19:21 Analyst ID: ADS01731

Method used: /chem/HP09915.i/06jun13a.b/L8260W.m Sublist used: CHEVENV
Calibration date and time: 13-JUN-2006 15:13
Date, time and analyst ID of latest file update: 13-Jun-2006 20:36 lcm01518

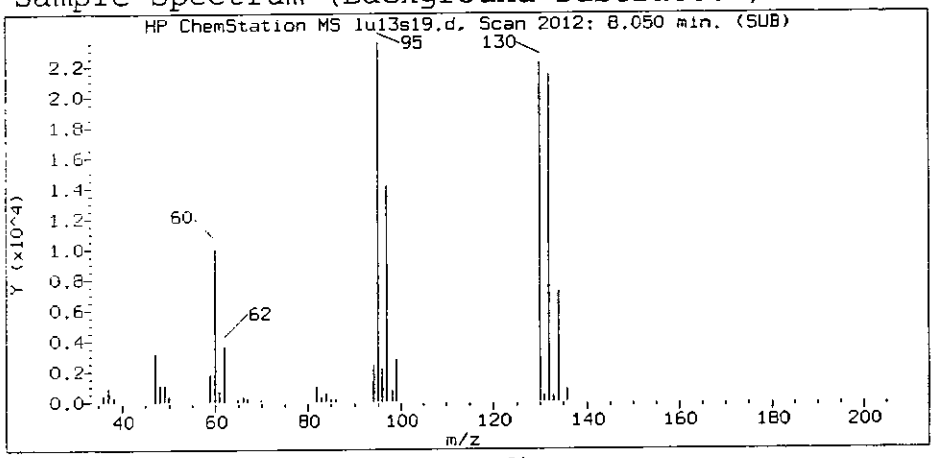
Sample Name: -DC1- Lab Sample ID: 4791559

Compound Number	: 42
Compound Name	: cis-1,2-Dichloroethene
Scan Number	: 1363
Retention Time (minutes)	: 5.964
Quant Ion	: 96.0
Area (flag)	: 38189
Concentration (ug/L)	: 7.2699

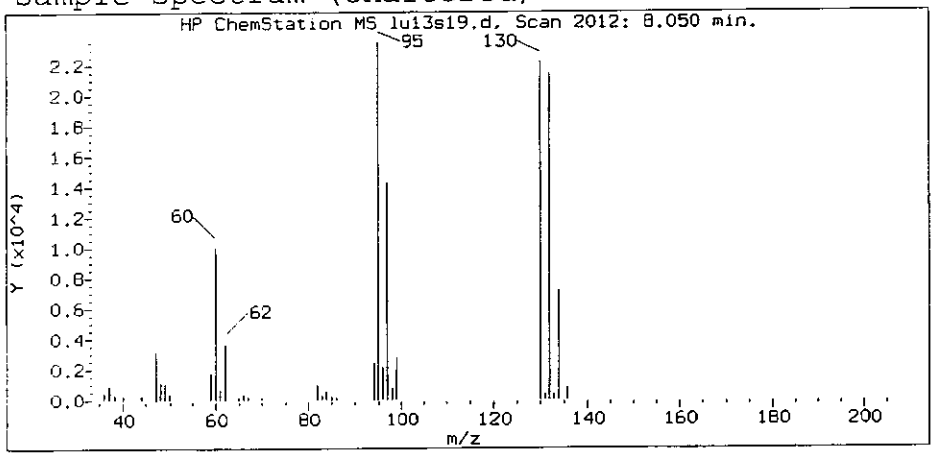
Reference Standard Spectrum for Trichloroethene

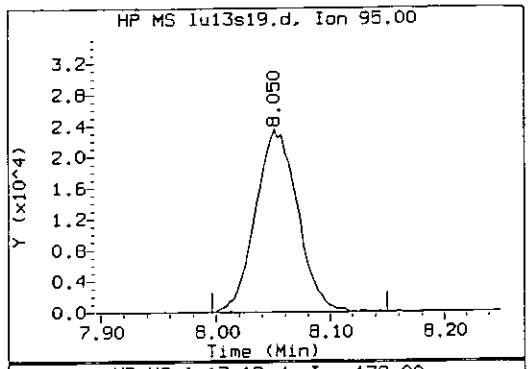


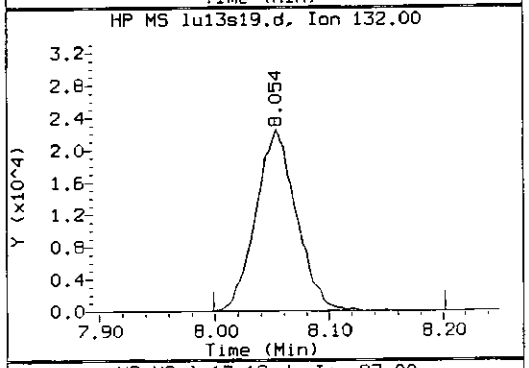
Sample Spectrum (Background Subtracted)

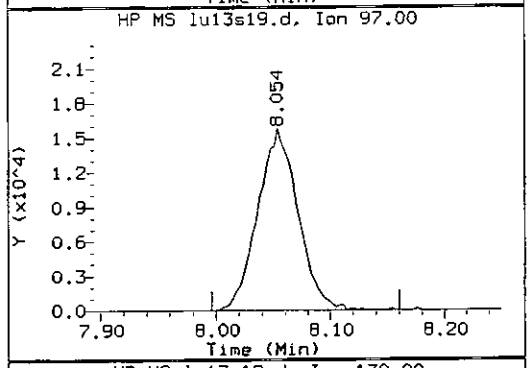


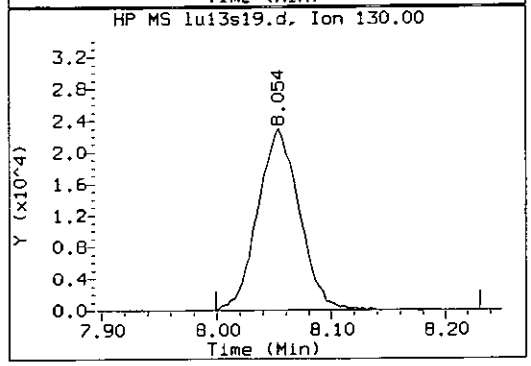
Sample Spectrum (Unaltered)











Data File: /chem/HP09915.i/06jun13a.b/lu13s19.d Instrument ID: HP09915.i
Injection date and time: 13-JUN-2006 19:21 Analyst ID: ADS01731

Method used: /chem/HP09915.i/06jun13a.b/L8260W.m Sublist used: CHEVENV
Calibration date and time: 13-JUN-2006 15:13
Date, time and analyst ID of latest file update: 13-Jun-2006 20:36 lcm01518

Sample Name: -DC1- Lab Sample ID: 4791559

Compound Number	: 73
Compound Name	: Trichloroethene
Scan Number	: 2012
Retention Time (minutes)	: 8.050
Quant Ion	: 95.0
Area (flag)	: 60226
Concentration (ug/L)	: 11.2551

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DB8B-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791560

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13a.b/lu13s20.d

Level: (low/med) LOW Date Received: 06/10/06

Moisture: not dec. _____ Date Analyzed: 06/13/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
1634-04-4	Methyl Tertiary Butyl Ether	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	13	
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
110-75-8	2-Chloroethyl Vinyl Ether	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DB8B-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791560

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13a.b/lu13s20.d

Level: (low/med) LOW Date Received: 06/10/06

Moisture: not dec. _____ Date Analyzed: 06/13/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1330-20-7	Xylene (Total)	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U

8892

DB8B-

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4791560

File: /chem/HP0991S.i/06jun13a.b/lu13s20.d
Sample: DB8B-;4791560;1;0;;;;;lu13b03
Injected At:13-JUN-2006 19:44
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b03.d
Sublist: CHEVENV

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AA
Analyst:ADS01731
Instrument ID:HP09915.i
Standard Reference: lu13c01.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:038A

Internal Standards	RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
70) Fluorobenzene	7.559(0.000)	1859	96	984107(-6)	50.00	
101) Chlorobenzene-d5	11.063(-0.003)	2949	117	750326(-5)	50.00	
132) 1,4-Dichlorobenzene-d4	12.941(0.000)	3533	152	403617(-11)	50.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
51) Dibromofluoromethane	(1)	6.633(0.000)	113	251301	46.357	93%		80 - 116
62) 1,2-Dichloroethane-d4	(1)	7.092(0.000)	102	55905	45.097	90%		77 - 113
89) Toluene-d8	(2)	9.600(0.000)	98	974185	44.771	90%		80 - 113
113) 4-Bromofluorobenzene	(2)	12.057(0.000)	95	382280	39.465	79%		78 - 113

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
2) Chloromethane	(1)				ND	ND			1.00	5.00
3) Vinyl Chloride	(1)				ND	ND			1.00	5.00
6) Bromomethane	(1)				ND	ND			1.00	5.00
7) Chloroethane	(1)				ND	ND			1.00	5.00
8) Trichlorofluoromethane	(1)				ND	ND			2.00	5.00
16) 1,1-Dichloroethene	(1)				ND	ND			0.80	5.00
26) Methylene Chloride	(1)				ND	ND			2.00	5.00
30) trans-1,2-Dichloroethene	(1)				ND	ND			0.80	5.00
31) Methyl Tertiary Butyl Ether	(1)				ND	ND			0.50	5.00
40) 1,2-Dichloroethene (total)	(1)				ND	ND			0.80	5.00
36) 1,1-Dichloroethane	(1)				ND	ND			1.00	5.00
42) cis-1,2-Dichloroethene	(1)				ND	ND			0.80	5.00
49) Chloroform	(1)				ND	ND			0.80	5.00
54) 1,1,1-Trichloroethane	(1)				ND	ND			0.80	5.00
59) Carbon Tetrachloride	(1)				ND	ND			1.00	5.00
63) Benzene	(1)				ND	ND			0.50	5.00
64) 1,2-Dichloroethane	(1)				ND	ND			1.00	5.00
73) Trichloroethene	(1)	8.044(0.000)	95	65257	12.641	12.64			1.00	5.00
77) 1,2-Dichloropropane	(1)				ND	ND			1.00	5.00
82) Bromodichloromethane	(1)				ND	ND			1.00	5.00
84) 2-Chloroethyl Vinyl Ether	(1)				ND	ND			2.00	10.00
85) cis-1,3-Dichloropropene	(1)				ND	ND			1.00	5.00
90) Toluene	(2)				ND	ND			0.70	5.00
91) trans-1,3-Dichloropropene	(2)				ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

8093

DB8B-

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4791560

File: /chem/HP09915.i/06jun13a.b/lu13s20.d
Sample: DB8B-;4791560;1;0;;;;;lu13b03
Injected At:13-JUN-2006 19:44
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b03.d
Sublist: CHEVENV

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AA
Analyst:ADS01731
Instrument ID:HP09915.i
Standard Reference: lu13c01.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:038A

	Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
93)	1,1,2-Trichloroethane	(2)					ND	ND			0.80	5.00
94)	Tetrachloroethene	(2)					ND	ND			0.80	5.00
98)	Dibromochloromethane	(2)					ND	ND			1.00	5.00
102)	Chlorobenzene	(2)					ND	ND			0.80	5.00
104)	Ethylbenzene	(2)					ND	ND			0.80	5.00
105)	m+p-Xylene	(2)					ND	ND			0.80	5.00
106)	Xylene (Total)	(2)					ND	ND			0.80	5.00
107)	o-Xylene	(2)					ND	ND			0.80	5.00
109)	Bromoform	(2)					ND	ND			1.00	5.00
116)	1,1,2,2-Tetrachloroethane	(3)					ND	ND			1.00	5.00
131)	1,3-Dichlorobenzene	(3)					ND	ND			1.00	5.00
133)	1,4-Dichlorobenzene	(3)					ND	ND			1.00	5.00
139)	1,2-Dichlorobenzene	(3)					ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Comments:

Analyst: [signature] Date: 6/13/06

Auditor: [signature] Date: 6/14/06

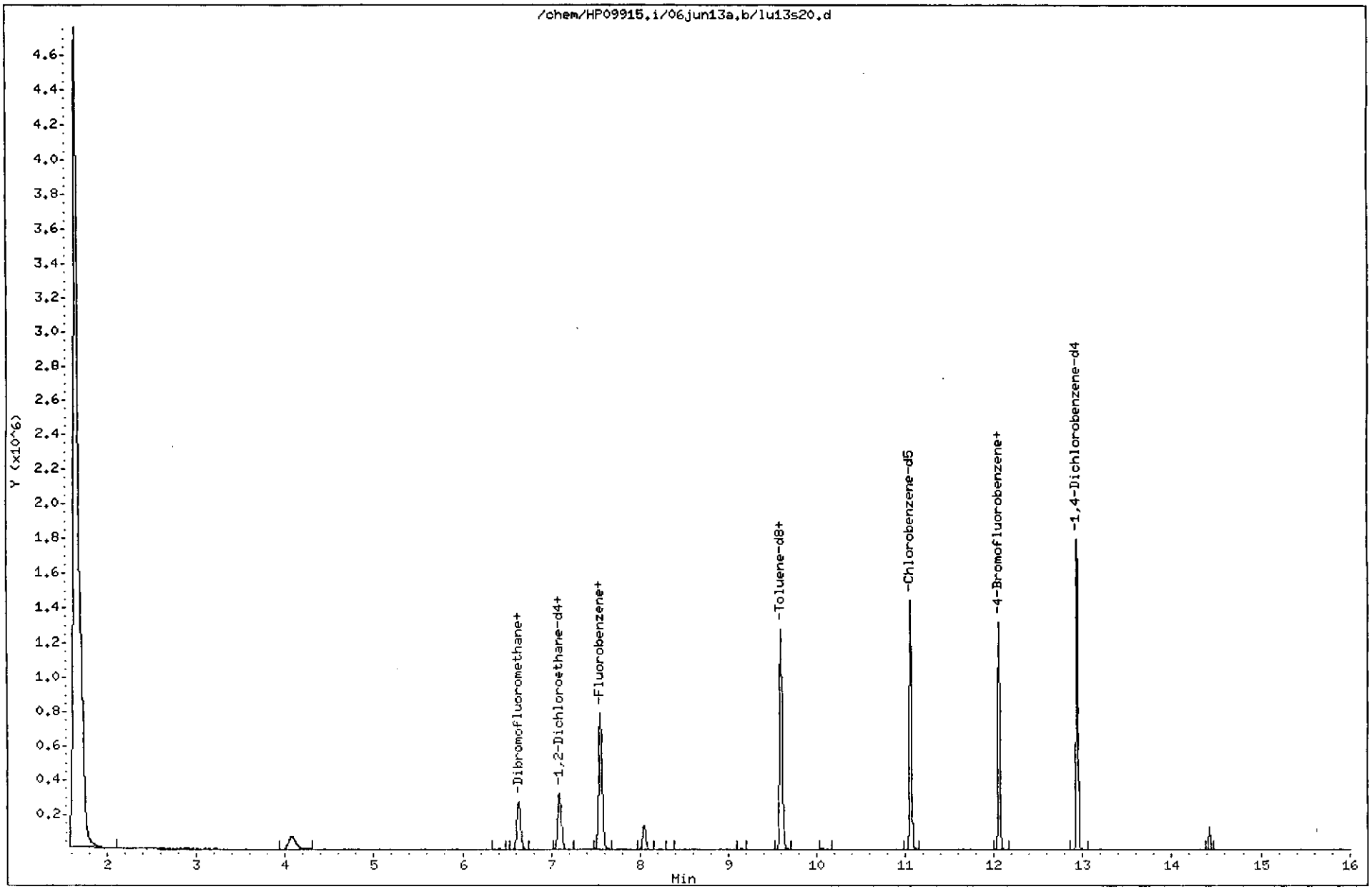
0074

Data File: /chem/HP09915.i/06jun13a.b/lu13s20.d
Date : 13-JUN-2006 19:44
Client ID: DB8B-
Sample Info: DB8B-;4791560;1;0;;;;;lu13b03
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP09915.i
Operator: ADS01731
Column diameter: 0.25

LLM IV 6/13/06

6855



Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun13a.b/lu13s20.d Instrument ID: HP09915.i
Injection date and time: 13-JUN-2006 19:44 Analyst ID: ADS01731

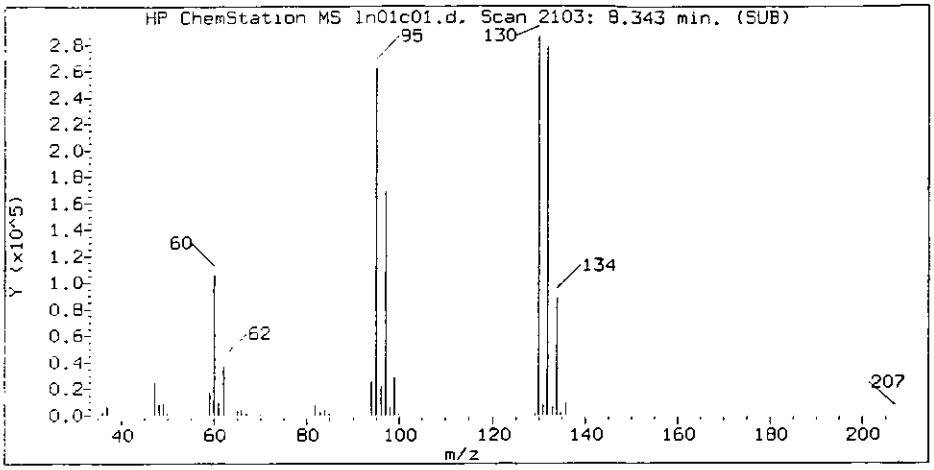
Method used: /chem/HP09915.i/06jun13a.b/L8260W.m Sublist used: CHEVENV
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 13-Jun-2006 20:37 lcm01518

Sample Name: DB8B- Lab Sample ID: 4791560

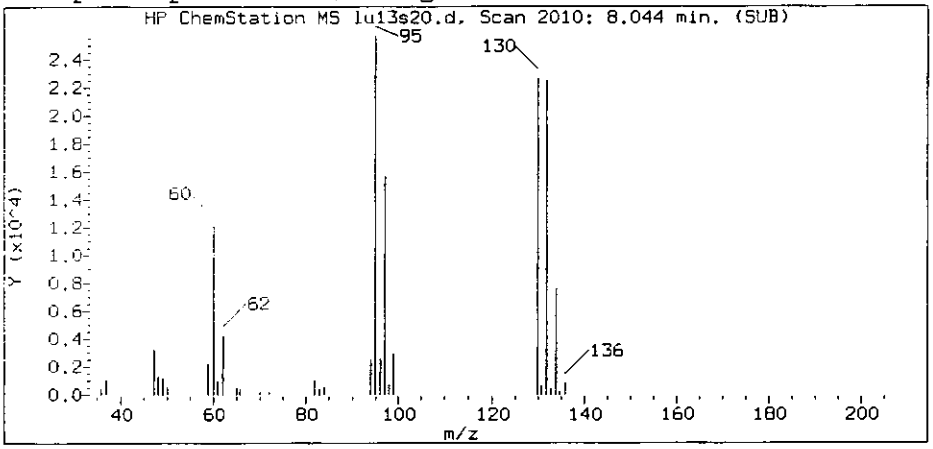
Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
70)*Fluorobenzene	(1)	7.559	96	984107	50.000
73) Trichloroethene	(1)	8.044	95	65257	12.641
101)*Chlorobenzene-d5	(2)	11.063	117	750326	50.000
132)*1,4-Dichlorobenzene-d4	(3)	12.941	152	403617	50.000
51)$Dibromofluoromethane	(1)	6.633	113	251301	46.357
62)$1,2-Dichloroethane-d4	(1)	7.092	102	55905	45.097
89)$Toluene-d8	(2)	9.600	98	974185	44.771
113)$4-Bromofluorobenzene	(2)	12.057	95	382280	39.465

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

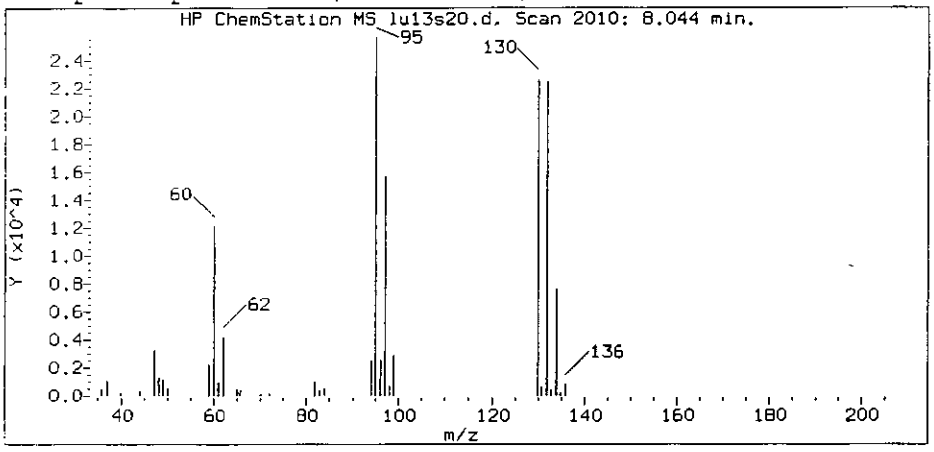
Reference Standard Spectrum for Trichloroethene

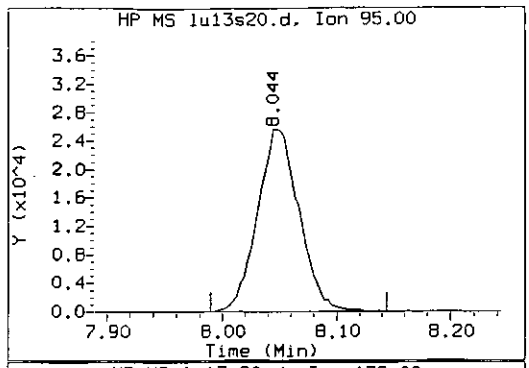


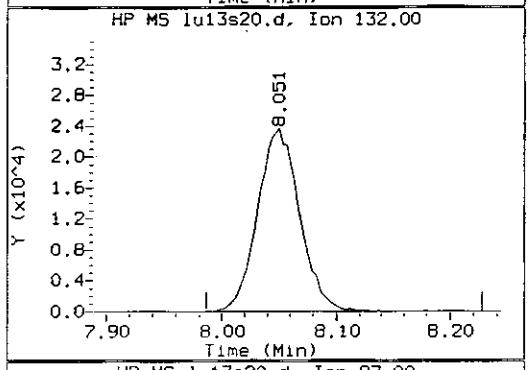
Sample Spectrum (Background Subtracted)

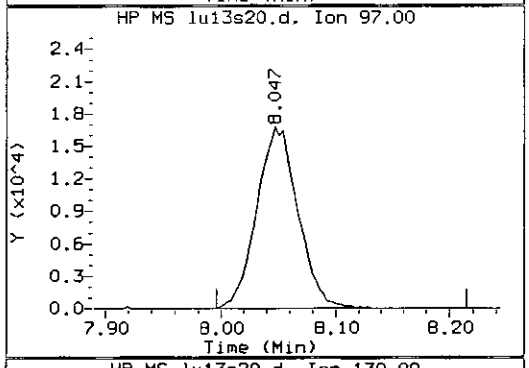


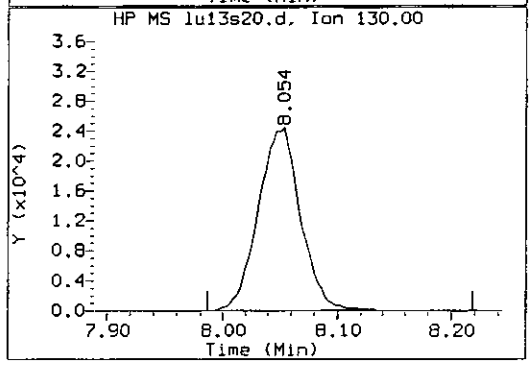
Sample Spectrum (Unaltered)











Data File: /chem/HP09915.i/06jun13a.b/lu13s20.d Instrument ID: HP09915.i
Injection date and time: 13-JUN-2006 19:44 Analyst ID: ADS01731

Method used: /chem/HP09915.i/06jun13a.b/L8260W.m Sublist used: CHEVENV
Calibration date and time: 13-JUN-2006 15:13
Date, time and analyst ID of latest file update: 13-Jun-2006 20:37 lcm01518

Sample Name: DB8B- Lab Sample ID: 4791560

Compound Number	: 73
Compound Name	: Trichloroethene
Scan Number	: 2010
Retention Time (minutes)	: 8.044
Quant Ion	: 95.0
Area (flag)	: 65257
Concentration (ug/L)	: 12.6407

0097

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DB108

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791561

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13b.b/lu13s37.d

Level: (low/med) LOW Date Received: 06/10/06

Moisture: not dec. _____ Date Analyzed: 06/14/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
1634-04-4	Methyl Tertiary Butyl Ether	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	14	
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
110-75-8	2-Chloroethyl Vinyl Ether	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DB108

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791561

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13b.b/lu13s37.d

Level: (low/med) LOW Date Received: 06/10/06

Moisture: not dec. _____ Date Analyzed: 06/14/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L		Q
1330-20-7	Xylene (Total)		5	U
75-25-2	Bromoform		5	U
79-34-5	1,1,2,2-Tetrachloroethane		5	U
541-73-1	1,3-Dichlorobenzene		5	U
106-46-7	1,4-Dichlorobenzene		5	U
95-50-1	1,2-Dichlorobenzene		5	U

8699

DB108

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4791561

File: /chem/HP09915.i/06jun13b.b/lu13s37.d
Sample: DB108;4791561;1;0;;;;
Injected At:14-JUN-2006 01:21
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b05.d
Sublist: CHEVENV

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AB
Analyst:LCM01518
Instrument ID:HP09915.i
Standard Reference: lu13c02.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:038A

Internal Standards	RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
70) Fluorobenzene	7.562(0.000)	1860	96	908036(-15)	50.00	
101) Chlorobenzene-d5	11.063(0.000)	2949	117	693644(-15)	50.00	
132) 1,4-Dichlorobenzene-d4	12.941(0.000)	3533	152	374354(-21)	50.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
51) Dibromofluoromethane	(1)	6.633(0.000)	113	234357	46.853	94%		80 - 116
62) 1,2-Dichloroethane-d4	(1)	7.102(0.000)	102	51944	45.412	91%		77 - 113
89) Toluene-d8	(2)	9.600(0.000)	98	899062	44.695	89%		80 - 113
113) 4-Bromofluorobenzene	(2)	12.060(0.000)	95	354459	39.583	79%		78 - 113

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Reporting Qual.	Limit	LOQ
2) Chloromethane	(1)				ND	ND			1.00	5.00
3) Vinyl Chloride	(1)				ND	ND			1.00	5.00
6) Bromomethane	(1)				ND	ND			1.00	5.00
7) Chloroethane	(1)				ND	ND			1.00	5.00
8) Trichlorofluoromethane	(1)				ND	ND			2.00	5.00
16) 1,1-Dichloroethene	(1)				ND	ND			0.80	5.00
26) Methylene Chloride	(1)				ND	ND			2.00	5.00
30) trans-1,2-Dichloroethene	(1)				ND	ND			0.80	5.00
31) Methyl Tertiary Butyl Ether	(1)				ND	ND			0.50	5.00
40) 1,2-Dichloroethene (total)	(1)				ND	ND			0.80	5.00
36) 1,1-Dichloroethane	(1)				ND	ND			1.00	5.00
42) cis-1,2-Dichloroethene	(1)				ND	ND			0.80	5.00
49) Chloroform	(1)				ND	ND			0.80	5.00
54) 1,1,1-Trichloroethane	(1)				ND	ND			0.80	5.00
59) Carbon Tetrachloride	(1)				ND	ND			1.00	5.00
63) Benzene	(1)				ND	ND			0.50	5.00
64) 1,2-Dichloroethane	(1)				ND	ND			1.00	5.00
73) Trichloroethene	(1)	8.047(0.000)	95	64319	13.503	13.50			1.00	5.00
77) 1,2-Dichloropropane	(1)				ND	ND			1.00	5.00
82) Bromodichloromethane	(1)				ND	ND			1.00	5.00
84) 2-Chloroethyl Vinyl Ether	(1)				ND	ND			2.00	10.00
85) cis-1,3-Dichloropropene	(1)				ND	ND			1.00	5.00
90) Toluene	(2)				ND	ND			0.70	5.00
91) trans-1,3-Dichloropropene	(2)				ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

DB108

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4791561

File: /chem/HP09915.i/06jun13b.b/lu13s37.d
Sample: DB108;4791561;1;0;;;;
Injected At:14-JUN-2006 01:21
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b05.d
Sublist: CHEVENV

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AB
Analyst:LCM01518
Instrument ID:HP09915.i
Standard Reference: lu13c02.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:038A

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
93) 1,1,2-Trichloroethane	(2)					ND	ND			0.80	5.00
94) Tetrachloroethene	(2)					ND	ND			0.80	5.00
98) Dibromochloromethane	(2)					ND	ND			1.00	5.00
102) Chlorobenzene	(2)					ND	ND			0.80	5.00
104) Ethylbenzene	(2)					ND	ND			0.80	5.00
105) m+p-Xylene	(2)					ND	ND			0.80	5.00
106) Xylene (Total)	(2)					ND	ND			0.80	5.00
107) o-Xylene	(2)					ND	ND			0.80	5.00
109) Bromoform	(2)					ND	ND			1.00	5.00
116) 1,1,2,2-Tetrachloroethane	(3)					ND	ND			1.00	5.00
131) 1,3-Dichlorobenzene	(3)					ND	ND			1.00	5.00
133) 1,4-Dichlorobenzene	(3)					ND	ND			1.00	5.00
139) 1,2-Dichlorobenzene	(3)					ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Comments:

Analyst: [signature] Date: 6/14/06

Auditor: [signature] Date: 6/14/06

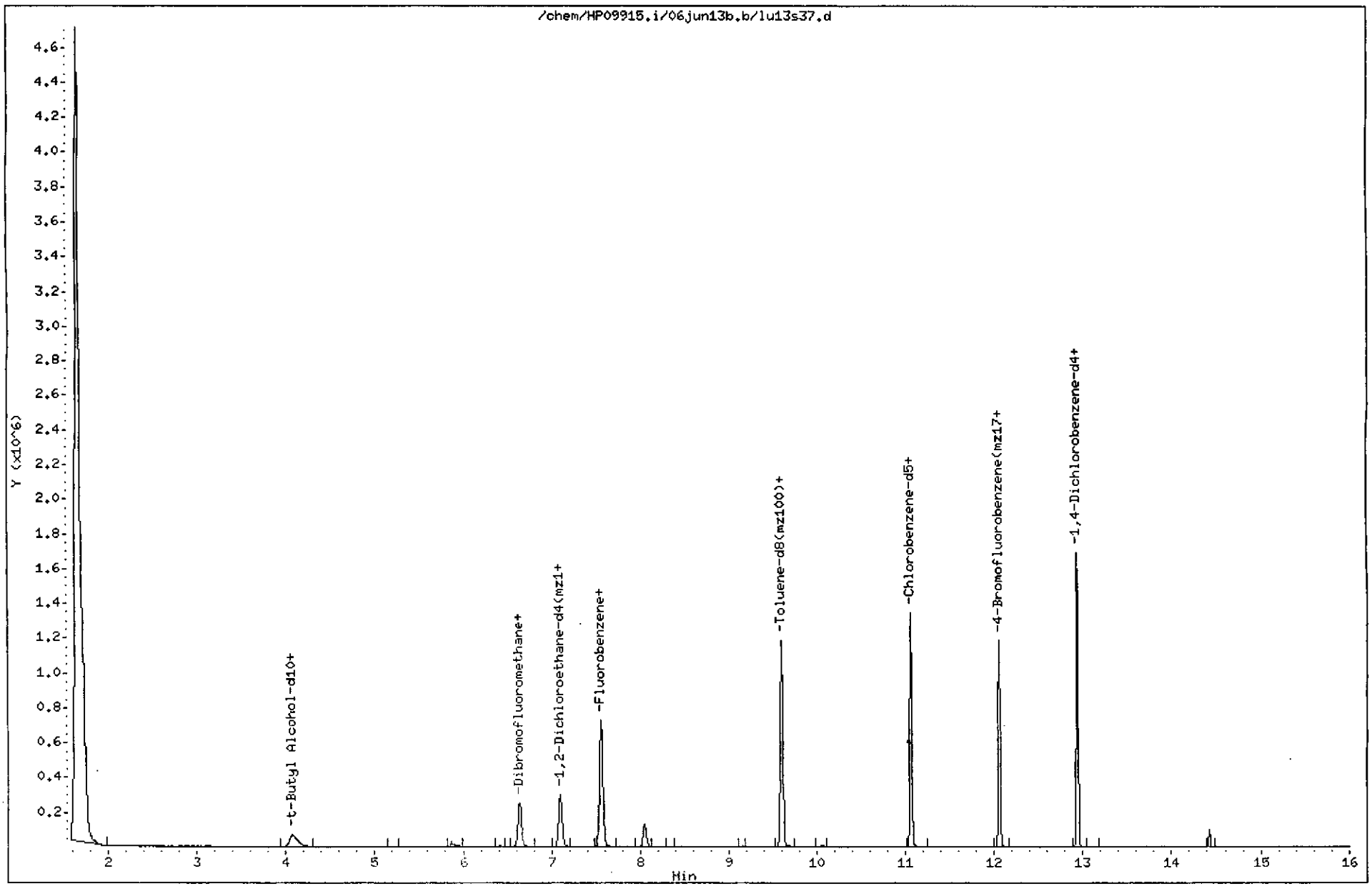
0121

Data File: /chem/HP09915.i/06jun13b.b/lu13s37.d
Date : 14-JUN-2006 01:21
Client ID: DB108
Sample Info: DB108;4791561;1;0;;;;
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP09915.i
Operator: LCH01518
Column diameter: 0.25

6/14/06

0192



Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun13b.b/lu13s37.d Instrument ID: HP09915.i
Injection date and time: 14-JUN-2006 01:21 Analyst ID: LCM01518

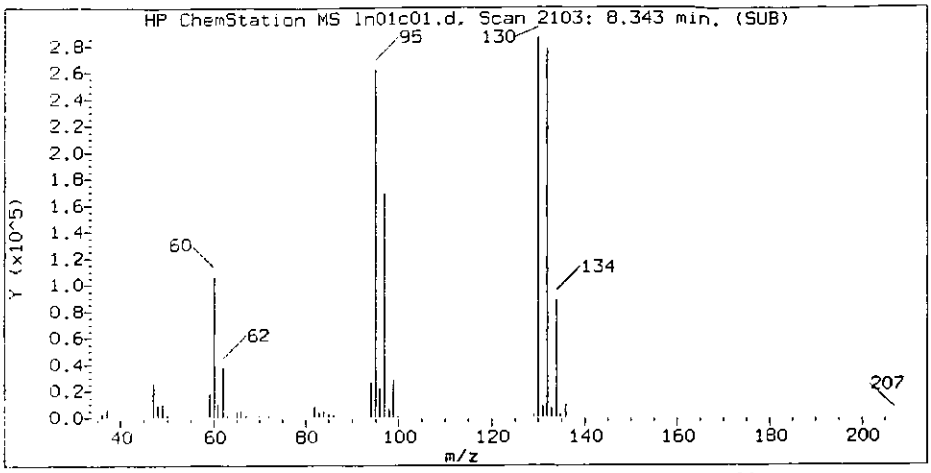
Method used: /chem/HP09915.i/06jun13b.b/L8260W.m Sublist used: CHEVENV
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 14-Jun-2006 09:00 ads01731

Sample Name: DB108 Lab Sample ID: 4791561

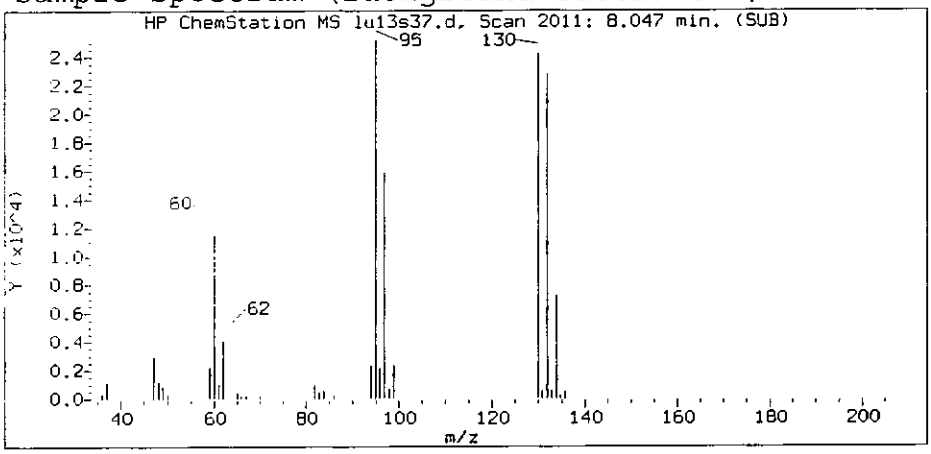
Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
70)*Fluorobenzene	(1)	7.562	96	908036	50.000
73) Trichloroethene	(1)	8.047	95	64319	13.503
101)*Chlorobenzene-d5	(2)	11.063	117	693644	50.000
132)*1,4-Dichlorobenzene-d4	(3)	12.941	152	374354	50.000
51)$Dibromofluoromethane	(1)	6.633	113	234357	46.853
62)$1,2-Dichloroethane-d4	(1)	7.102	102	51944	45.412
89)$Toluene-d8	(2)	9.600	98	899062	44.695
113)$4-Bromofluorobenzene	(2)	12.060	95	354459	39.583

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

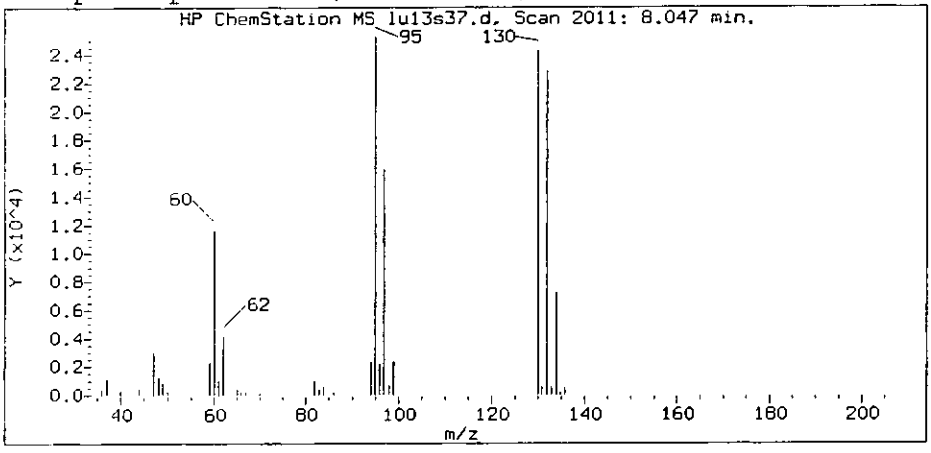
Reference Standard Spectrum for Trichloroethene

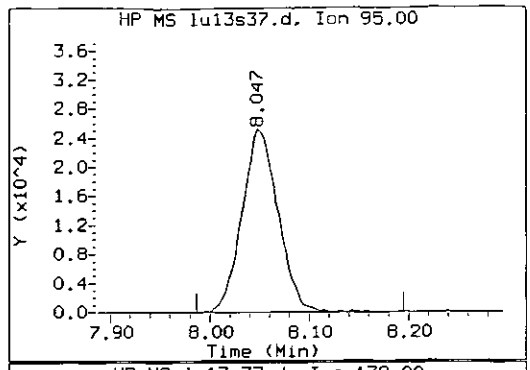


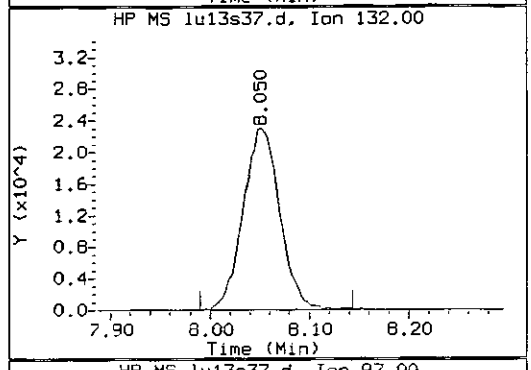
Sample Spectrum (Background Subtracted)

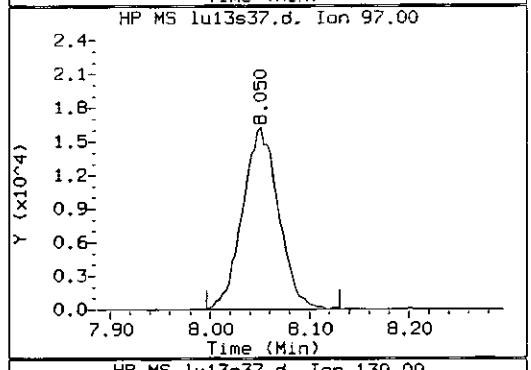


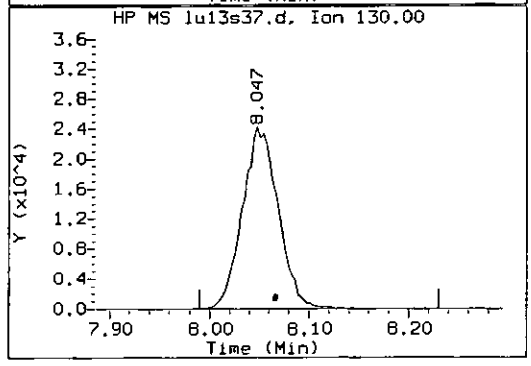
Sample Spectrum (Unaltered)











Data File: /chem/HP09915.i/06jun13b.b/lu13s37.d Instrument ID: HP09915.i
Injection date and time: 14-JUN-2006 01:21 Analyst ID: LCM01518

Method used: /chem/HP09915.i/06jun13b.b/L8260W.m Sublist used: CHEVENV
Calibration date and time: 13-JUN-2006 21:37
Date, time and analyst ID of latest file update: 14-Jun-2006 09:00 ads01731

Sample Name: DB108 Lab Sample ID: 4791561

Compound Number	:	73
Compound Name	:	Trichloroethene
Scan Number	:	2011
Retention Time (minutes)	:	8.047
Quant Ion	:	95.0
Area (flag)	:	64319
Concentration (ug/L)	:	13.5027

0104

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DB17-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791562

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13b.b/lu13s38.d

Level: (low/med) LOW Date Received: 06/10/06

Moisture: not dec. _____ Date Analyzed: 06/14/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
1634-04-4	Methyl Tertiary Butyl Ether	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
110-75-8	2-Chloroethyl Vinyl Ether	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DB17-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791562

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13b.b/lu13s38.d

Level: (low/med) LOW Date Received: 06/10/06

Moisture: not dec. _____ Date Analyzed: 06/14/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1330-20-7	Xylene (Total)	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U

0186

DB17-

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4791562

File: /chem/HP09915.i/06jun13b.b/lu13s38.d
Sample: DB17-;4791562;1;0;;;;
Injected At:14-JUN-2006 01:43
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b05.d
Sublist: CHEVENV

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AB
Analyst:LCM01518
Instrument ID:HP09915.i
Standard Reference: lu13c02.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:038A

Internal Standards	RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
70) Fluorobenzene	7.565(-0.003)	1861	96	896131(-16)	50.00	
101) Chlorobenzene-d5	11.063(0.000)	2949	117	679404(-17)	50.00	
132) 1,4-Dichlorobenzene-d4	12.941(0.000)	3533	152	364640(-23)	50.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
51) Dibromofluoromethane	(1)	6.639(0.000)	113	229167	46.424	93%		80 - 116
62) 1,2-Dichloroethane-d4	(1)	7.102(0.000)	102	50977	45.159	90%		77 - 113
89) Toluene-d8	(2)	9.600(0.000)	98	885714	44.955	90%		80 - 113
113) 4-Bromofluorobenzene	(2)	12.057(0.000)	95	345814	39.427	79%		78 - 113

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Reporting Qual.	Reporting Limit	LOQ
2) Chloromethane	(1)				ND	ND			1.00	5.00
3) Vinyl Chloride	(1)				ND	ND			1.00	5.00
6) Bromomethane	(1)				ND	ND			1.00	5.00
7) Chloroethane	(1)				ND	ND			1.00	5.00
8) Trichlorofluoromethane	(1)				ND	ND			2.00	5.00
16) 1,1 Dichloroethene	(1)				ND	ND			0.80	5.00
26) Methylene Chloride	(1)				ND	ND			2.00	5.00
30) trans-1,2-Dichloroethene	(1)				ND	ND			0.80	5.00
31) Methyl Tertiary Butyl Ether	(1)				ND	ND			0.50	5.00
40) 1,2-Dichloroethene (total)	(1)				ND	ND			0.80	5.00
36) 1,1-Dichloroethane	(1)				ND	ND			1.00	5.00
42) cis-1,2-Dichloroethene	(1)				ND	ND			0.80	5.00
49) Chloroform	(1)				ND	ND			0.80	5.00
54) 1,1,1-Trichloroethane	(1)				ND	ND			0.80	5.00
59) Carbon Tetrachloride	(1)				ND	ND			1.00	5.00
63) Benzene	(1)				ND	ND			0.50	5.00
64) 1,2-Dichloroethane	(1)				ND	ND			1.00	5.00
73) Trichloroethene	(1)				ND	ND			1.00	5.00
77) 1,2-Dichloropropane	(1)				ND	ND			1.00	5.00
82) Bromodichloromethane	(1)				ND	ND			1.00	5.00
84) 2-Chloroethyl Vinyl Ether	(1)				ND	ND			2.00	10.00
85) cis-1,3-Dichloropropene	(1)				ND	ND			1.00	5.00
90) Toluene	(2)				ND	ND			0.70	5.00
91) trans-1,3-Dichloropropene	(2)				ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

DB17-

Lancaster Laboratories
Quantitation Report GC/MS Volatiles 4791562

File: /chem/HP09915.i/06jun13b.b/lu13s38.d
Sample: DB17-;4791562;1;0;;;;
Injected At:14-JUN-2006 01:43
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b05.d
Sublist: CHEVENV

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AB
Analyst:LCM01518
Instrument ID:HP09915.i
Standard Reference: lu13c02.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)

Bottle Code:038A

	Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
93)	1,1,2-Trichloroethane	(2)					ND	ND			0.80	5.00
94)	Tetrachloroethene	(2)					ND	ND			0.80	5.00
98)	Dibromochloromethane	(2)					ND	ND			1.00	5.00
102)	Chlorobenzene	(2)					ND	ND			0.80	5.00
104)	Ethylbenzene	(2)					ND	ND			0.80	5.00
105)	m+p-Xylene	(2)					ND	ND			0.80	5.00
106)	Xylene (Total)	(2)					ND	ND			0.80	5.00
107)	o-Xylene	(2)					ND	ND			0.80	5.00
109)	Bromoform	(2)					ND	ND			1.00	5.00
116)	1,1,2,2-Tetrachloroethane	(3)					ND	ND			1.00	5.00
131)	1,3-Dichlorobenzene	(3)					ND	ND			1.00	5.00
133)	1,4 Dichlorobenzene	(3)					ND	ND			1.00	5.00
139)	1,2-Dichlorobenzene	(3)					ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Comments: _____

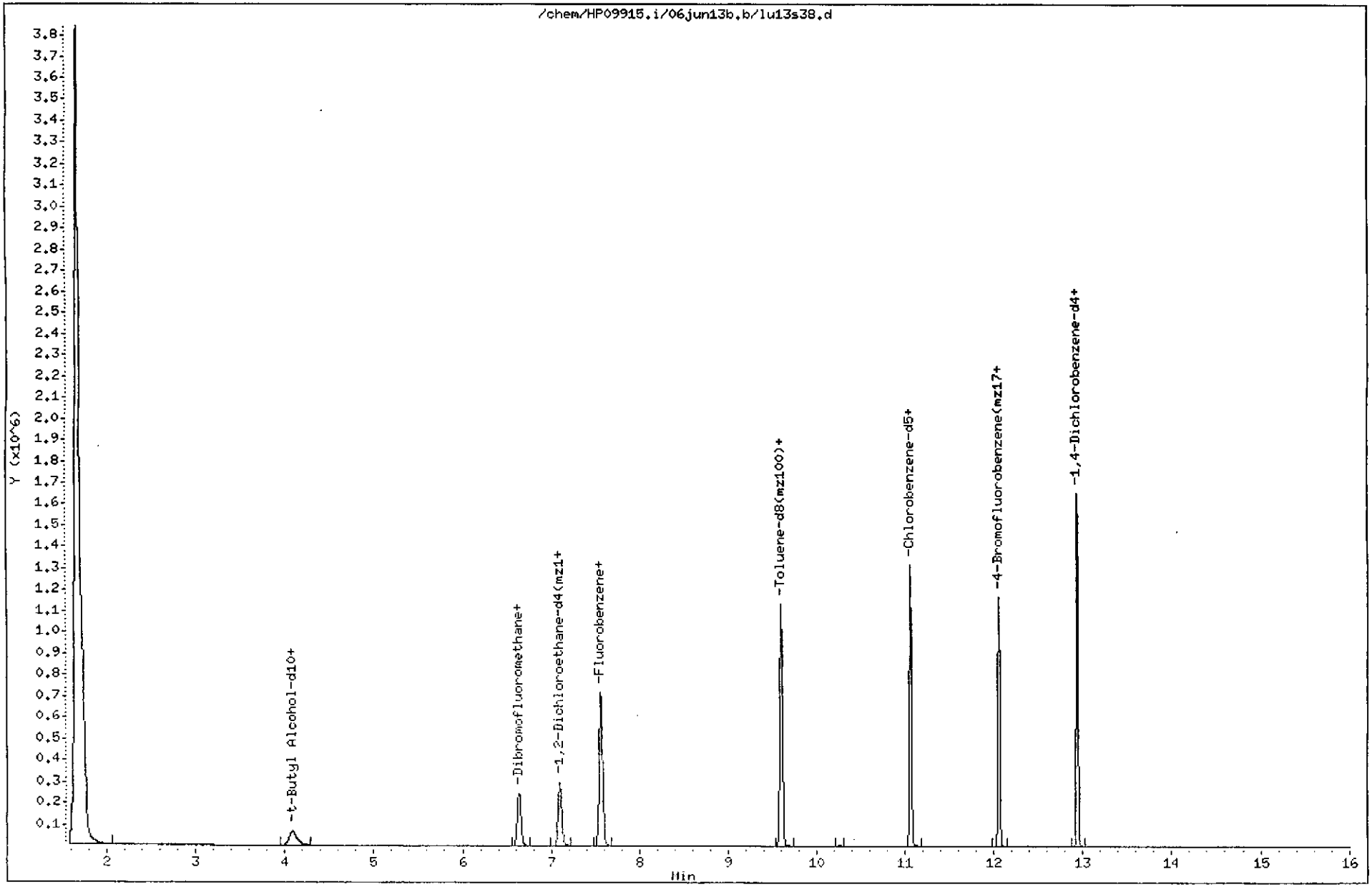
Analyst: _____ Date: 6/15/06

Auditor: _____ Date: 6/19/06

Data File: /chem/HP09915.i/06jun13b.b/lu13s38.d
Date : 14-JUN-2006 01:43
Client ID: DB17-
Sample Info: DB17-;4791562;1;0;;;;
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP09915.i
Operator: LCH01518
Column diameter: 0.25

Jun7l 6/15/06



Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun13b.b/lu13s38.d Instrument ID: HP09915.i
Injection date and time: 14-JUN-2006 01:43 Analyst ID: LCM01518

Method used: /chem/HP09915.i/06jun13b.b/L8260W.m Sublist used: CHEVENV
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 15-Jun-2006 08:56 ads01731

Sample Name: DB17- Lab Sample ID: 4791562

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
70) *Fluorobenzene	(1)	7.565	96	896131	50.000
101) *Chlorobenzene-d5	(2)	11.063	117	679404	50.000
132) *1,4-Dichlorobenzene-d4	(3)	12.941	152	364640	50.000
51) $Dibromofluoromethane	(1)	6.639	113	229167	46.424
62) $1,2-Dichloroethane-d4	(1)	7.102	102	50977	45.159
89) $Toluene-d8	(2)	9.600	98	885714	44.955
113) $4-Bromofluorobenzene	(2)	12.057	95	345814	39.427

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OS2--

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791563

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13b.b/lu13s30.d

Level: (low/med) LOW Date Received: 06/10/06

Moisture: not dec. _____ Date Analyzed: 06/13/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
1634-04-4	Methyl Tertiary Butyl Ether	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
110-75-8	2-Chloroethyl Vinyl Ether	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OS2--

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791563

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13b.b/lu13s30.d

Level: (low/med) LOW Date Received: 06/10/06

Moisture: not dec. _____ Date Analyzed: 06/13/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1330-20-7	Xylene (Total)	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U

6112

OS2--

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4791563

File: /chem/HP09915.i/06jun13b.b/lu13s30.d
Sample: OS2--;4791563:1;0;;;;
Injected At:13-JUN-2006 22:43
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b05.d
Sublist: CHEVENV

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AB
Analyst:LCM01518
Instrument ID:HP09915.i
Standard Reference: lu13c02.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:038A

Internal Standards	RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
70) Fluorobenzene	7.562(0.000)	1860	96	1003004(-6)	50.00	
101) Chlorobenzene-d5	11.063(0.000)	2949	117	757740(-7)	50.00	
132) 1,4-Dichlorobenzene-d4	12.941(0.000)	3533	152	408538(-14)'	50.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
51) Dibromofluoromethane	(1)	6.639(0.000)	113	255035	46.159	92%		80 - 116
62) 1,2-Dichloroethane-d4	(1)	7.102(0.000)	102	56597	44.795	90%		77 - 113
89) Toluene-d8	(2)	9.604(0.000)	98	985980	44.870	90%		80 - 113
113) 4-Bromofluorobenzene	(2)	12.057(0.000)	95	389350	39.802	80%		78 - 113

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Reporting Qual.	Limit	LOQ
2) Chloromethane	(1)				ND	ND			1.00	5.00
3) Vinyl Chloride	(1)				ND	ND			1.00	5.00
6) Bromomethane	(1)				ND	ND			1.00	5.00
7) Chloroethane	(1)				ND	ND			1.00	5.00
8) Trichlorofluoromethane	(1)				ND	ND			2.00	5.00
16) 1,1-Dichloroethene	(1)				ND	ND			0.80	5.00
26) Methylene Chloride	(1)				ND	ND			2.00	5.00
30) trans-1,2-Dichloroethene	(1)				ND	ND			0.80	5.00
31) Methyl Tertiary Butyl Ether	(1)				ND	ND			0.50	5.00
40) 1,2-Dichloroethene (total)	(1)				ND	ND			0.80	5.00
36) 1,1-Dichloroethane	(1)				ND	ND			1.00	5.00
42) cis-1,2-Dichloroethene	(1)				ND	ND			0.80	5.00
49) Chloroform	(1)				ND	ND			0.80	5.00
54) 1,1,1-Trichloroethane	(1)				ND	ND			0.80	5.00
59) Carbon Tetrachloride	(1)				ND	ND			1.00	5.00
63) Benzene	(1)				ND	ND			0.50	5.00
64) 1,2-Dichloroethane	(1)				ND	ND			1.00	5.00
73) Trichloroethene	(1)				ND	ND			1.00	5.00
77) 1,2-Dichloropropane	(1)				ND	ND			1.00	5.00
82) Bromodichloromethane	(1)				ND	ND			1.00	5.00
84) 2-Chloroethyl Vinyl Ether	(1)				ND	ND			2.00	10.00
85) cis-1,3-Dichloropropene	(1)				ND	ND			1.00	5.00
90) Toluene	(2)				ND	ND			0.70	5.00
91) trans-1,3-Dichloropropene	(2)				ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

OS2--

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4791563

File: /chem/HP09915.i/06jun13b.b/lu13s30.d
Sample: OS2--;4791563;1;0;;;;
Injected At:13-JUN-2006 22:43
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b05.d
Sublist: CHEVENV

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AB
Analyst:LCM01518
Instrument ID:HP09915.i
Standard Reference: lu13c02.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)

Bottle Code:038A

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
93) 1,1,2-Trichloroethane	(2)					ND	ND			0.80	5.00
94) Tetrachloroethene	(2)					ND	ND			0.80	5.00
98) Dibromochloromethane	(2)					ND	ND			1.00	5.00
102) Chlorobenzene	(2)					ND	ND			0.80	5.00
104) Ethylbenzene	(2)					ND	ND			0.80	5.00
105) m+p-Xylene	(2)					ND	ND			0.80	5.00
106) Xylene (Total)	(2)					ND	ND			0.80	5.00
107) o-Xylene	(2)					ND	ND			0.80	5.00
109) Bromoform	(2)					ND	ND			1.00	5.00
116) 1,1,2,2-Tetrachloroethane	(3)					ND	ND			1.00	5.00
131) 1,3-Dichlorobenzene	(3)					ND	ND			1.00	5.00
133) 1,4-Dichlorobenzene	(3)					ND	ND			1.00	5.00
139) 1,2-Dichlorobenzene	(3)					ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Comments:

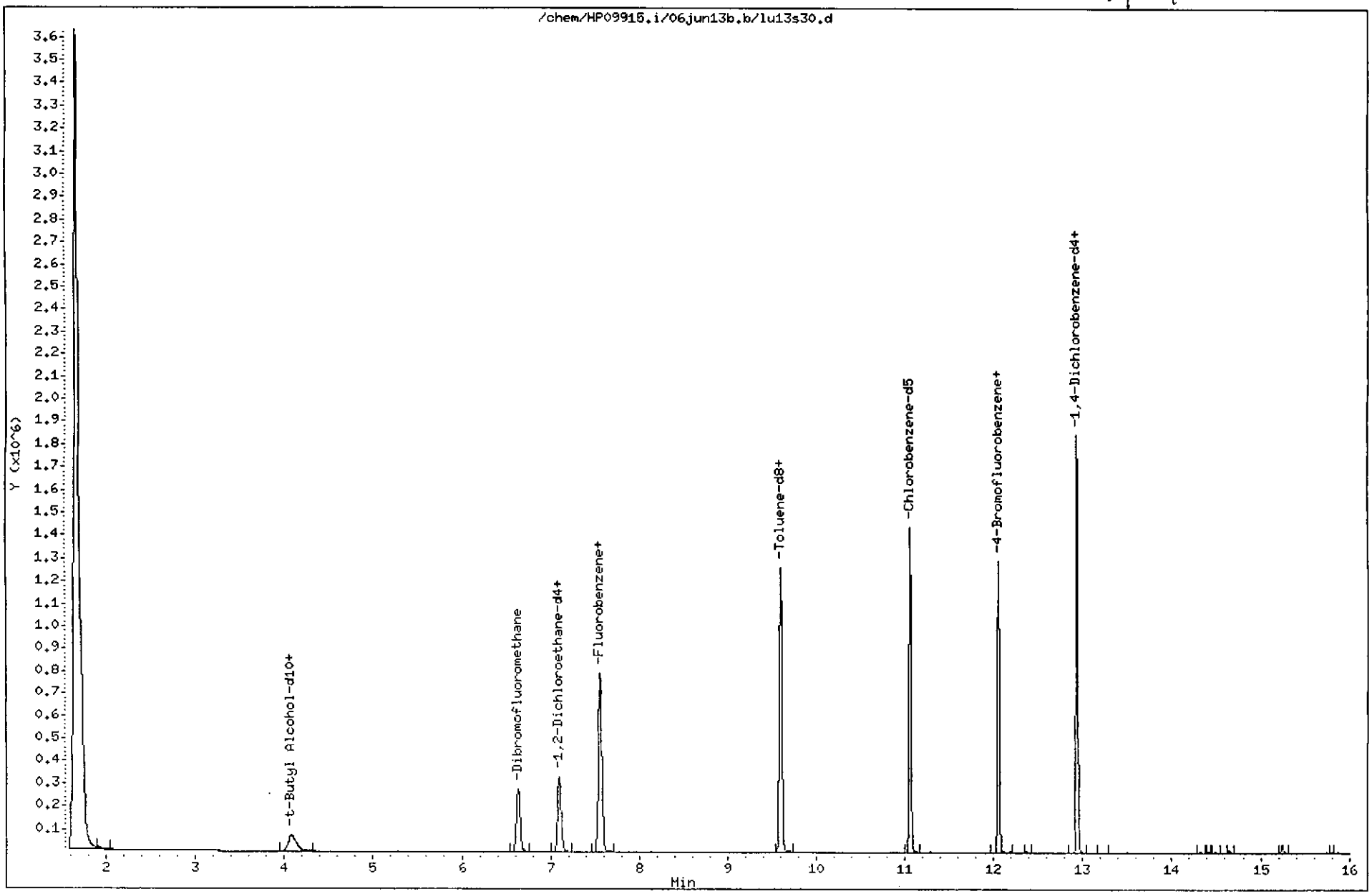
Analyst: [signature] Date: 6/14/06

Auditor: [signature] Date: 6/14/06

Data File: /chem/HP09915.i/06jun13b.b/lu13s30.d
Date : 13-JUN-2006 22:43
Client ID: OS2--
Sample Info: OS2--;4791563;1;0;;;;
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP09915.i
Operator: LCM01518
Column diameter: 0.25

6/14/06



Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun13b.b/lu13s30.d Instrument ID: HP09915.i
Injection date and time: 13-JUN-2006 22:43 Analyst ID: LCM01518

Method used: /chem/HP09915.i/06jun13b.b/L8260W.m Sublist used: CHEVENV
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 14-Jun-2006 08:50 ads01731

Sample Name: OS2-- Lab Sample ID: 4791563

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
70)*Fluorobenzene	(1)	7.562	96	1003004	50.000
101)*Chlorobenzene-d5	(2)	11.063	117	757740	50.000
132)*1,4-Dichlorobenzene-d4	(3)	12.941	152	408538	50.000
51)$Dibromofluoromethane	(1)	6.639	113	255035	46.159
62)$1,2-Dichloroethane-d4	(1)	7.102	102	56597	44.795
89)$Toluene-d8	(2)	9.604	98	985980	44.870
113)$4-Bromofluorobenzene	(2)	12.057	95	389350	39.802

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB1RC

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791567

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13b.b/lu13s33.d

Level: (low/med) LOW Date Received: 06/10/06

Moisture: not dec. _____ Date Analyzed: 06/13/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L		Q
74-87-3	Chloromethane		5	U
75-01-4	Vinyl Chloride		5	U
74-83-9	Bromomethane		5	U
75-00-3	Chloroethane		5	U
75-69-4	Trichlorofluoromethane		5	U
75-35-4	1,1-Dichloroethene		5	U
75-09-2	Methylene Chloride		5	U
1634-04-4	Methyl Tertiary Butyl Ether		5	U
75-34-3	1,1-Dichloroethane		5	U
540-59-0	1,2-Dichloroethene (total)		5	U
67-66-3	Chloroform		5	U
71-55-6	1,1,1-Trichloroethane		5	U
56-23-5	Carbon Tetrachloride		5	U
71-43-2	Benzene		5	U
107-06-2	1,2-Dichloroethane		5	U
79-01-6	Trichloroethene		5	U
78-87-5	1,2-Dichloropropane		5	U
75-27-4	Bromodichloromethane		5	U
110-75-8	2-Chloroethyl Vinyl Ether		10	U
10061-01-5	cis-1,3-Dichloropropene		5	U
108-88-3	Toluene		5	U
10061-02-6	trans-1,3-Dichloropropene		5	U
79-00-5	1,1,2-Trichloroethane		5	U
127-18-4	Tetrachloroethene		5	U
124-48-1	Dibromochloromethane		5	U
108-90-7	Chlorobenzene		5	U
100-41-4	Ethylbenzene		5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB1RC

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791567

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13b.b/lu13s33.d

Level: (low/med) LOW Date Received: 06/10/06

Moisture: not dec. _____ Date Analyzed: 06/13/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1330-20-7	Xylene (Total)	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U

0118

FORM I VOA

TB1RC

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4791567

File: /chem/HP09915.i/06jun13b.b/lu13s33.d
Sample: TB1RC;4791567;1;0;;;;
Injected At:13-JUN-2006 23:50
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b05.d
Sublist: CHEVENV

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AB
Analyst:LCM01518
Instrument ID:HP09915.i
Standard Reference: lu13c02.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:038A

Internal Standards	RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
70) Fluorobenzene	7.565(-0.003)	1861	96	1009526(-6)	50.00	
101) Chlorobenzene-d5	11.063(0.000)	2949	117	764486(-6)	50.00	
132) 1,4-Dichlorobenzene-d4	12.941(0.000)	3533	152	415581(-12)	50.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
51) Dibromofluoromethane	(1)	6.642(0.000)	113	257458	46.297	93%		80 - 116
62) 1,2-Dichloroethane-d4	(1)	7.105(0.000)	102	57682	45.359	91%		77 - 113
89) Toluene-d8	(2)	9.600(0.000)	98	995920	44.923	90%		80 - 113
113) 4-Bromofluorobenzene	(2)	12.057(0.000)	95	393810	39.902	80%		78 - 113

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
2) Chloromethane	(1)				ND	ND			1.00	5.00
3) Vinyl Chloride	(1)				ND	ND			1.00	5.00
6) Bromomethane	(1)				ND	ND			1.00	5.00
7) Chloroethane	(1)				ND	ND			1.00	5.00
8) Trichlorofluoromethane	(1)				ND	ND			2.00	5.00
16) 1,1-Dichloroethene	(1)				ND	ND			0.80	5.00
26) Methylene Chloride	(1)				ND	ND			2.00	5.00
30) trans-1,2-Dichloroethene	(1)				ND	ND			0.80	5.00
31) Methyl Tertiary Butyl Ether	(1)				ND	ND			0.50	5.00
40) 1,2-Dichloroethene (total)	(1)				ND	ND			0.80	5.00
36) 1,1-Dichloroethane	(1)				ND	ND			1.00	5.00
42) cis-1,2-Dichloroethene	(1)				ND	ND			0.80	5.00
49) Chloroform	(1)				ND	ND			0.80	5.00
54) 1,1,1-Trichloroethane	(1)				ND	ND			0.80	5.00
59) Carbon Tetrachloride	(1)				ND	ND			1.00	5.00
63) Benzene	(1)				ND	ND			0.50	5.00
64) 1,2-Dichloroethane	(1)				ND	ND			1.00	5.00
73) Trichloroethene	(1)				ND	ND			1.00	5.00
77) 1,2-Dichloropropane	(1)				ND	ND			1.00	5.00
82) Bromodichloromethane	(1)				ND	ND			1.00	5.00
84) 2-Chloroethyl Vinyl Ether	(1)				ND	ND			2.00	10.00
85) cis-1,3-Dichloropropene	(1)				ND	ND			1.00	5.00
90) Toluene	(2)				ND	ND			0.70	5.00
91) trans-1,3-Dichloropropene	(2)				ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

TB1RC

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4791567

File: /chem/HP09915.i/06jun13b.b/lu13s33.d
Sample: TB1RC;4791567;1;0;;;;
Injected At:13-JUN-2006 23:50
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b05.d
Sublist: CHEVENV

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AB
Analyst:LCM01518
Instrument ID:HP09915.i
Standard Reference: lu13c02.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:038A

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
93) 1,1,2-Trichloroethane	(2)					ND	ND			0.80	5.00
94) Tetrachloroethene	(2)					ND	ND			0.80	5.00
98) Dibromochloromethane	(2)					ND	ND			1.00	5.00
102) Chlorobenzene	(2)					ND	ND			0.80	5.00
104) Ethylbenzene	(2)					ND	ND			0.80	5.00
105) m+p-Xylene	(2)					ND	ND			0.80	5.00
106) Xylene (Total)	(2)					ND	ND			0.80	5.00
107) o-Xylene	(2)					ND	ND			0.80	5.00
109) Bromoform	(2)					ND	ND			1.00	5.00
116) 1,1,2,2-Tetrachloroethane	(3)					ND	ND			1.00	5.00
131) 1,3-Dichlorobenzene	(3)					ND	ND			1.00	5.00
133) 1,4-Dichlorobenzene	(3)					ND	ND			1.00	5.00
139) 1,2-Dichlorobenzene	(3)					ND	ND			1.00	5.00

* = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Comments:

Analyst: [signature] Date: 6/14/06

Auditor: [signature] Date: 6/14/06

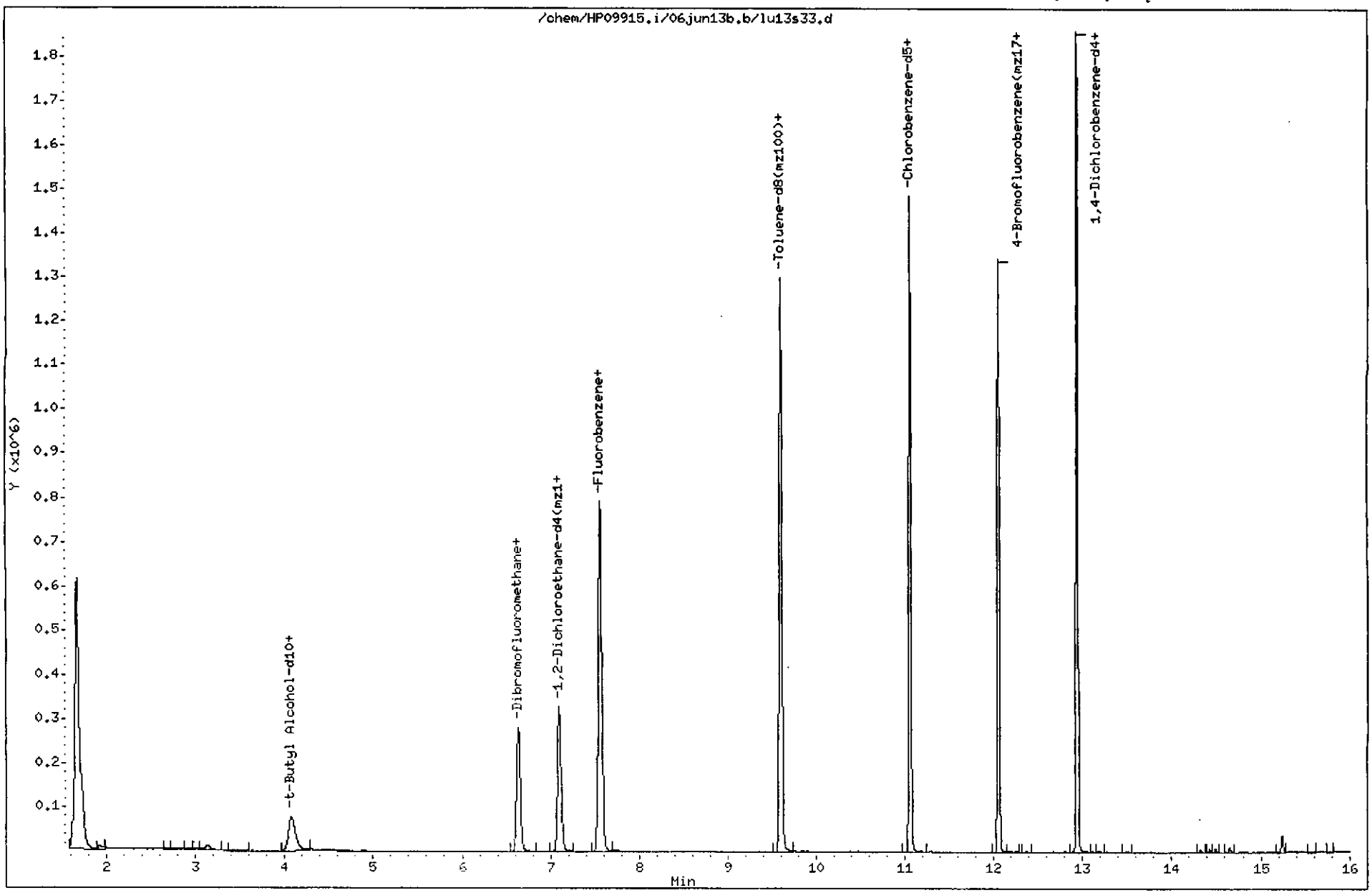
0128

Data File: /chem/HP09915.i/06jun13b.b/lu13s33.d
Date : 13-JUN-2006 23:50
Client ID: TB1RC
Sample Info: TB1RC;4791567;1;0;;;;
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP09915.i
Operator: LCM01518
Column diameter: 0.25

Jmm2(6/14/06

6121



Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun13b.b/lu13s33.d Instrument ID: HP09915.i
Injection date and time: 13-JUN-2006 23:50 Analyst ID: LCM01518

Method used: /chem/HP09915.i/06jun13b.b/L8260W.m Sublist used: CHEVENV
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 14-Jun-2006 09:00 ads01731

Sample Name: TB1RC Lab Sample ID: 4791567

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
70) *Fluorobenzene	(1)	7.565	96	1009526	50.000
101) *Chlorobenzene-d5	(2)	11.063	117	764486	50.000
132) *1,4-Dichlorobenzene-d4	(3)	12.941	152	415581	50.000
51) $Dibromofluoromethane	(1)	6.642	113	257458	46.297
62) $1,2-Dichloroethane-d4	(1)	7.105	102	57682	45.359
89) $Toluene-d8	(2)	9.600	98	995920	44.923
113) $4-Bromofluorobenzene	(2)	12.057	95	393810	39.902

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

OR2--

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791568

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13b.b/lu13s34.d

Level: (low/med) LOW Date Received: 06/10/06

Moisture: not dec. _____ Date Analyzed: 06/14/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
1634-04-4	Methyl Tertiary Butyl Ether	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
110-75-8	2-Chloroethyl Vinyl Ether	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OR2--

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791568

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13b.b/lu13s34.d

Level: (low/med) LOW Date Received: 06/10/06

Moisture: not dec. _____ Date Analyzed: 06/14/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1330-20-7	Xylene (Total)	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U

6124

OR2--

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4791568

File: /chem/HP09915.i/06jun13b.b/lu13s34.d
Sample: OR2--;4791568;1;0;;;;
Injected At:14-JUN-2006 00:13
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b05.d
Sublist: CHEVENV

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AB
Analyst:LCM01518
Instrument ID:HP09915.i
Standard Reference: lu13c02.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:038A

Internal Standards	RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
70) Fluorobenzene	7.562(0.000)	1860	96	981275(-8)	50.00	
101) Chlorobenzene-d5	11.063(0.000)	2949	117	740064(-9)	50.00	
132) 1,4-Dichlorobenzene-d4	12.941(0.000)	3533	152	401000(-15)	50.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
51) Dibromofluoromethane	(1)	6.639(0.000)	113	247414	45.772	92%		80 - 116
62) 1,2-Dichloroethane-d4	(1)	7.105(-0.001)	102	54262	43.898	88%		77 - 113
89) Toluene-d8	(2)	9.600(0.000)	98	964411	44.937	90%		80 - 113
113) 4-Bromofluorobenzene	(2)	12.057(0.000)	95	383203	40.109	80%		78 - 113

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
2) Chloromethane	(1)				ND	ND			1.00	5.00
3) Vinyl Chloride	(1)				ND	ND			1.00	5.00
6) Bromomethane	(1)				ND	ND			1.00	5.00
7) Chloroethane	(1)				ND	ND			1.00	5.00
8) Trichlorofluoromethane	(1)				ND	ND			2.00	5.00
16) 1,1-Dichloroethene	(1)				ND	ND			0.80	5.00
26) Methylene Chloride	(1)				ND	ND			2.00	5.00
30) trans-1,2-Dichloroethene	(1)				ND	ND			0.80	5.00
31) Methyl Tertiary Butyl Ether	(1)				ND	ND			0.50	5.00
40) 1,2-Dichloroethene (total)	(1)				ND	ND			0.80	5.00
36) 1,1-Dichloroethane	(1)				ND	ND			1.00	5.00
42) cis-1,2-Dichloroethene	(1)				ND	ND			0.80	5.00
49) Chloroform	(1)				ND	ND			0.80	5.00
54) 1,1,1-Trichloroethane	(1)				ND	ND			0.80	5.00
59) Carbon Tetrachloride	(1)				ND	ND			1.00	5.00
63) Benzene	(1)				ND	ND			0.50	5.00
64) 1,2-Dichloroethane	(1)				ND	ND			1.00	5.00
73) Trichloroethene	(1)				ND	ND			1.00	5.00
77) 1,2-Dichloropropane	(1)				ND	ND			1.00	5.00
82) Bromodichloromethane	(1)				ND	ND			1.00	5.00
84) 2-Chloroethyl Vinyl Ether	(1)				ND	ND			2.00	10.00
85) cis-1,3-Dichloropropene	(1)				ND	ND			1.00	5.00
90) Toluene	(2)				ND	ND			0.70	5.00
91) trans-1,3-Dichloropropene	(2)				ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

OR2--

Lancaster Laboratories
Quantitation Report GC/MS Volatiles 4791568

File: /chem/HP09915.i/06jun13b.b/lu13s34.d
Sample: OR2--;4791568;1;0;;;;
Injected At:14-JUN-2006 00:13
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b05.d
Sublist: CHEVENV

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:**L061642AB**
Analyst:**LCM01518**
Instrument ID:**HP09915.i**
Standard Reference: lu13c02.d
Prep Factor:**1.00**
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:**038A**

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
93) 1,1,2-Trichloroethane	(2)					ND	ND			0.80	5.00
94) Tetrachloroethene	(2)					ND	ND			0.80	5.00
98) Dibromochloromethane	(2)					ND	ND			1.00	5.00
102) Chlorobenzene	(2)					ND	ND			0.80	5.00
104) Ethylbenzene	(2)					ND	ND			0.80	5.00
105) m+p-Xylene	(2)					ND	ND			0.80	5.00
106) Xylene (Total)	(2)					ND	ND			0.80	5.00
107) o-Xylene	(2)					ND	ND			0.80	5.00
109) Bromoform	(2)					ND	ND			1.00	5.00
116) 1,1,2,2-Tetrachloroethane	(3)					ND	ND			1.00	5.00
131) 1,3-Dichlorobenzene	(3)					ND	ND			1.00	5.00
133) 1,4-Dichlorobenzene	(3)					ND	ND			1.00	5.00
139) 1,2-Dichlorobenzene	(3)					ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Comments:

Analyst: [signature] Date: 6/14/06

Auditor: [signature] Date: 6/14/06

6126

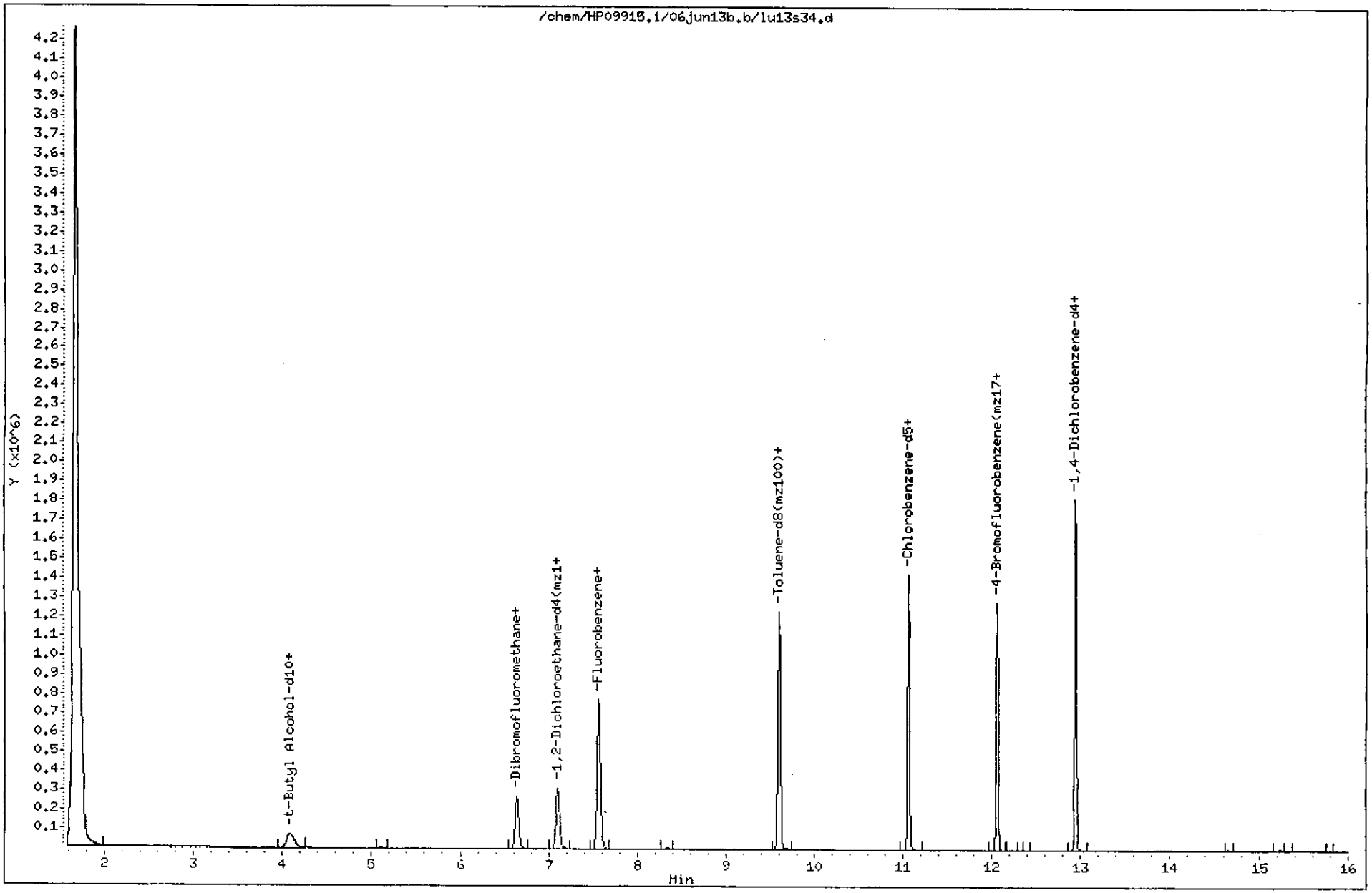
Data File: /chem/HP09915.i/06jun13b.b/lu13s34.d
Date : 14-JUN-2006 00:13
Client ID: OR2--
Sample Info: OR2--;4791568;1;0;;;;
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP09915.i

Operator: LCM01518
Column diameter: 0.25

6/14/06

0127



Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun13b.b/lu13s34.d Instrument ID: HP09915.i
Injection date and time: 14-JUN-2006 00:13 Analyst ID: LCM01518

Method used: /chem/HP09915.i/06jun13b.b/L8260W.m Sublist used: CHEVENV
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 14-Jun-2006 09:02 ads01731

Sample Name: OR2-- Lab Sample ID: 4791568

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
70)*Fluorobenzene	(1)	7.562	96	981275	50.000
101)*Chlorobenzene-d5	(2)	11.063	117	740064	50.000
132)*1,4-Dichlorobenzene-d4	(3)	12.941	152	401000	50.000
51)$Dibromofluoromethane	(1)	6.639	113	247414	45.772
62)$1,2-Dichloroethane-d4	(1)	7.105	102	54262	43.898
89)$Toluene-d8	(2)	9.600	98	964411	44.937
113)$4-Bromofluorobenzene	(2)	12.057	95	383203	40.109

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OS3--

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791569

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13b.b/lu13s35.d

Level: (low/med) LOW Date Received: 06/10/06

Moisture: not dec. _____ Date Analyzed: 06/14/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
1634-04-4	Methyl Tertiary Butyl Ether	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
110-75-8	2-Chloroethyl Vinyl Ether	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OS3--

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791569

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13b.b/lu13s35.d

Level: (low/med) LOW Date Received: 06/10/06

Moisture: not dec. _____ Date Analyzed: 06/14/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1330-20-7	Xylene (Total)	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U

0130

FORM I VOA

OS3--

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4791569

File: /chem/HP09915.i/06jun13b.b/lu13s35.d
Sample: OS3--;4791569;1;0;;;;
Injected At:14-JUN-2006 00:36
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b05.d
Sublist: CHEVENV

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AB
Analyst:LCM01518
Instrument ID:HP09915.i
Standard Reference: lu13c02.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:038A

Internal Standards	RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
70) Fluorobenzene	7.565(-0.003)	1861	96	969339(-9)	50.00	
101) Chlorobenzene-d5	11.063(0.000)	2949	117	736559(-10)	50.00	
132) 1,4-Dichlorobenzene-d4	12.941(0.000)	3533	152	396106(-16)	50.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
51) Dibromofluoromethane	(1)	6.639(0.000)	113	247261	46.307	93%		80 - 116
62) 1,2-Dichloroethane-d4	(1)	7.092(0.001)	102	54401	44.552	89%		77 - 113
89) Toluene-d8	(2)	9.600(0.000)	98	955198	44.719	89%		80 - 113
113) 4-Bromofluorobenzene	(2)	12.057(0.000)	95	377085	39.656	79%		78 - 113

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
2) Chloromethane	(1)				ND	ND			1.00	5.00
3) Vinyl Chloride	(1)				ND	ND			1.00	5.00
6) Bromomethane	(1)				ND	ND			1.00	5.00
7) Chloroethane	(1)				ND	ND			1.00	5.00
8) Trichlorofluoromethane	(1)				ND	ND			2.00	5.00
16) 1,1-Dichloroethene	(1)				ND	ND			0.80	5.00
26) Methylene Chloride	(1)				ND	ND			2.00	5.00
30) trans-1,2-Dichloroethene	(1)				ND	ND			0.80	5.00
31) Methyl Tertiary Butyl Ether	(1)				ND	ND			0.50	5.00
40) 1,2-Dichloroethene (total)	(1)				ND	ND			0.80	5.00
36) 1,1-Dichloroethane	(1)				ND	ND			1.00	5.00
42) cis-1,2-Dichloroethene	(1)				ND	ND			0.80	5.00
49) Chloroform	(1)				ND	ND			0.80	5.00
54) 1,1,1-Trichloroethane	(1)				ND	ND			0.80	5.00
59) Carbon Tetrachloride	(1)				ND	ND			1.00	5.00
63) Benzene	(1)				ND	ND			0.50	5.00
64) 1,2-Dichloroethane	(1)				ND	ND			1.00	5.00
73) Trichloroethene	(1)				ND	ND			1.00	5.00
77) 1,2-Dichloropropane	(1)				ND	ND			1.00	5.00
82) Bromodichloromethane	(1)				ND	ND			1.00	5.00
84) 2-Chloroethyl Vinyl Ether	(1)				ND	ND			2.00	10.00
85) cis-1,3-Dichloropropene	(1)				ND	ND			1.00	5.00
90) Toluene	(2)				ND	ND			0.70	5.00
91) trans-1,3-Dichloropropene	(2)				ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

OS3--

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4791569

File: /chem/HP09915.i/06jun13b.b/lu13s35.d
Sample: OS3--;4791569;1;0;;;;
Injected At:14-JUN-2006 00:36
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b05.d
Sublist: CHEVENV

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AB
Analyst:LCM01518
Instrument ID:HP09915.i
Standard Reference: lu13c02.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:038A

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
93) 1,1,2-Trichloroethane	(2)					ND	ND			0.80	5.00
94) Tetrachloroethene	(2)					ND	ND			0.80	5.00
98) Dibromochloromethane	(2)					ND	ND			1.00	5.00
102) Chlorobenzene	(2)					ND	ND			0.80	5.00
104) Ethylbenzene	(2)					ND	ND			0.80	5.00
105) m+p-Xylene	(2)					ND	ND			0.80	5.00
106) Xylene (Total)	(2)					ND	ND			0.80	5.00
107) o-Xylene	(2)					ND	ND			0.80	5.00
109) Bromoform	(2)					ND	ND			1.00	5.00
116) 1,1,2,2-Tetrachloroethane	(3)					ND	ND			1.00	5.00
131) 1,3-Dichlorobenzene	(3)					ND	ND			1.00	5.00
133) 1,4-Dichlorobenzene	(3)					ND	ND			1.00	5.00
139) 1,2-Dichlorobenzene	(3)					ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Comments:

Analyst: [signature] Date: 6/14/06

Auditor: [signature] Date: 6/14/06

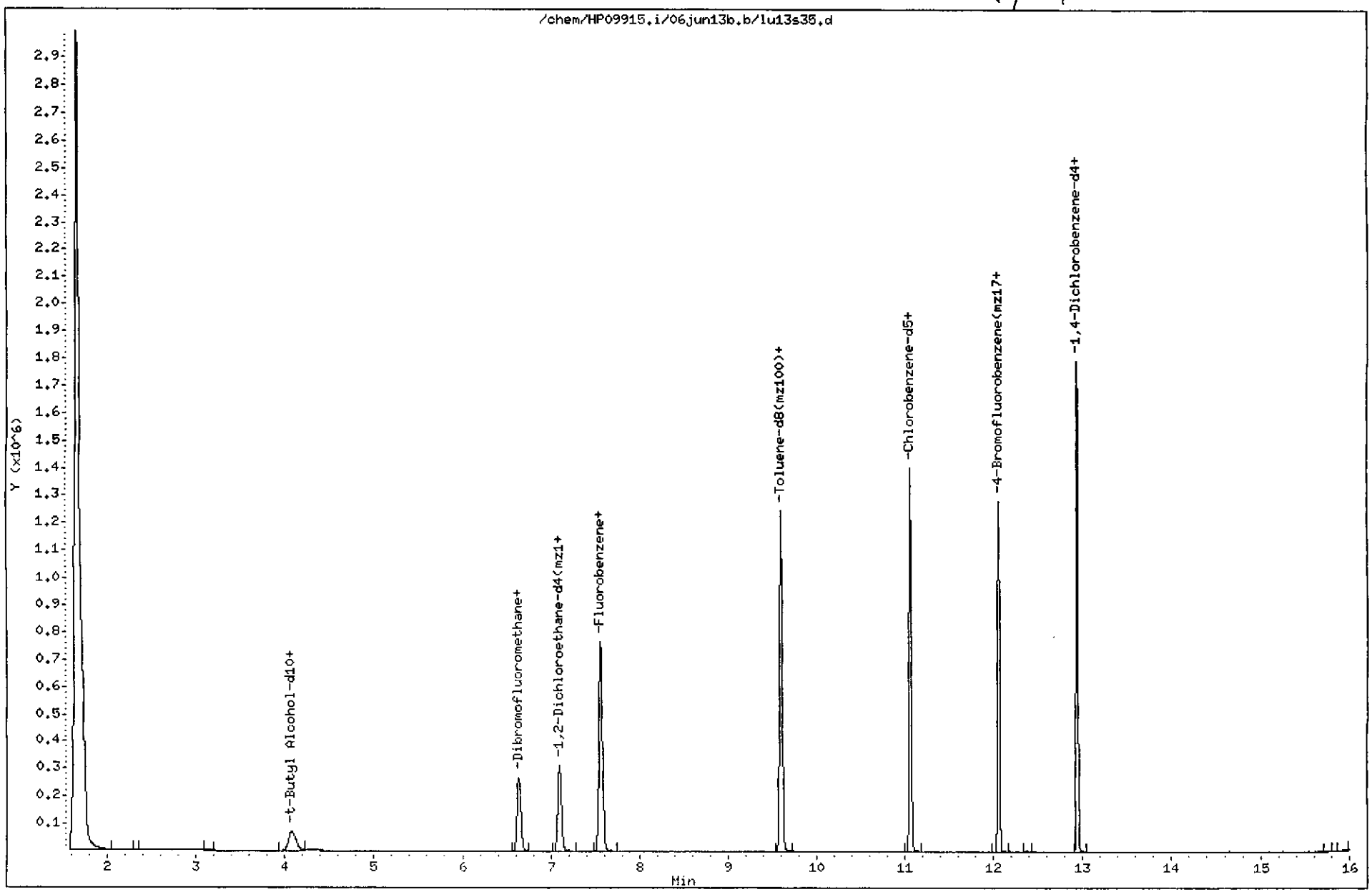
Data File: /chem/HP09915.i/06jun13b.b/lu13s35.d
Date : 14-JUN-2006 00:36
Client ID: OS3--
Sample Info: OS3--;4791569;1;0;;;;
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP09915.i

Operator: LCM01518
Column diameter: 0.25

Jmm 6/14/06

BI33



Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun13b.b/lu13s35.d Instrument ID: HP09915.i
Injection date and time: 14-JUN-2006 00:36 Analyst ID: LCM01518

Method used: /chem/HP09915.i/06jun13b.b/L8260W.m Sublist used: CHEVENV
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 14-Jun-2006 09:06 ads01731

Sample Name: OS3-- Lab Sample ID: 4791569

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
70) *Fluorobenzene	(1)	7.565	96	969339	50.000
101) *Chlorobenzene-d5	(2)	11.063	117	736559	50.000
132) *1,4-Dichlorobenzene-d4	(3)	12.941	152	396106	50.000
51) $Dibromofluoromethane	(1)	6.639	113	247261	46.307
62) $1,2-Dichloroethane-d4	(1)	7.092	102	54401	44.552
89) $Toluene-d8	(2)	9.600	98	955198	44.719
113) $4-Bromofluorobenzene	(2)	12.057	95	377085	39.656

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OR3--

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791570

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13b.b/lu13s36.d

Level: (low/med) LOW Date Received: 06/10/06

Moisture: not dec. _____ Date Analyzed: 06/14/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
75-35-4	1,1-Dichloroethene	5	U
75-09-2	Methylene Chloride	5	U
1634-04-4	Methyl Tertiary Butyl Ether	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
110-75-8	2-Chloroethyl Vinyl Ether	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OR3--

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791570

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13b.b/lu13s36.d

Level: (low/med) LOW Date Received: 06/10/06

Moisture: not dec. _____ Date Analyzed: 06/14/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1330-20-7	Xylene (Total)	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U

8136

OR3--

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4791570

File: /chem/HP09915.i/06jun13b.b/lu13s36.d
Sample: OR3--;4791570;1;0;;;;
Injected At:14-JUN-2006 00:58
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b05.d
Sublist: CHEVENV

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AB
Analyst:LCM01518
Instrument ID:HP09915.i
Standard Reference: lu13c02.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:038A

Internal Standards	RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
70) Fluorobenzene	7.562(0.000)	1860	96	940238(-12)	50.00	
101) Chlorobenzene-d5	11.063(0.000)	2949	117	708188(-13)	50.00	
132) 1,4-Dichlorobenzene-d4	12.938(0.003)	3532	152	379295(-20)	50.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
51) Dibromofluoromethane	(1)	6.639(0.000)	113	240432	46.421	93%		80 - 116
62) 1,2-Dichloroethane-d4	(1)	7.096(0.000)	102	53286	44.990	90%		77 - 113
89) Toluene-d8	(2)	9.600(0.000)	98	926209	45.099	90%		80 - 113
113) 4-Bromofluorobenzene	(2)	12.057(0.000)	95	366804	40.121	80%		78 - 113

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
2) Chloromethane	(1)				ND	ND			1.00	5.00
3) Vinyl Chloride	(1)				ND	ND			1.00	5.00
6) Bromomethane	(1)				ND	ND			1.00	5.00
7) Chloroethane	(1)				ND	ND			1.00	5.00
8) Trichlorofluoromethane	(1)				ND	ND			2.00	5.00
16) 1,1-Dichloroethene	(1)				ND	ND			0.80	5.00
26) Methylene Chloride	(1)				ND	ND			2.00	5.00
30) trans-1,2-Dichloroethene	(1)				ND	ND			0.80	5.00
31) Methyl Tertiary Butyl Ether	(1)				ND	ND			0.50	5.00
40) 1,2-Dichloroethene (total)	(1)				ND	ND			0.80	5.00
36) 1,1-Dichloroethane	(1)				ND	ND			1.00	5.00
42) cis-1,2-Dichloroethene	(1)				ND	ND			0.80	5.00
49) Chloroform	(1)				ND	ND			0.80	5.00
54) 1,1,1-Trichloroethane	(1)				ND	ND			0.80	5.00
59) Carbon Tetrachloride	(1)				ND	ND			1.00	5.00
63) Benzene	(1)				ND	ND			0.50	5.00
64) 1,2-Dichloroethane	(1)				ND	ND			1.00	5.00
73) Trichloroethene	(1)				ND	ND			1.00	5.00
77) 1,2-Dichloropropane	(1)				ND	ND			1.00	5.00
82) Bromodichloromethane	(1)				ND	ND			1.00	5.00
84) 2-Chloroethyl Vinyl Ether	(1)				ND	ND			2.00	10.00
85) cis-1,3-Dichloropropene	(1)				ND	ND			1.00	5.00
90) Toluene	(2)				ND	ND			0.70	5.00
91) trans-1,3-Dichloropropene	(2)				ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

OR3--

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4791570

File: /chem/HP09915.i/06jun13b.b/lu13s36.d
Sample: OR3--;4791570;1;0;;;;
Injected At:14-JUN-2006 00:58
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b05.d
Sublist: CHEVENV

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AB
Analyst:LCM01518
Instrument ID:HP09915.i
Standard Reference: lu13c02.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:038A

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
93) 1,1,2-Trichloroethane	(2)					ND	ND			0.80	5.00
94) Tetrachloroethene	(2)					ND	ND			0.80	5.00
98) Dibromochloromethane	(2)					ND	ND			1.00	5.00
102) Chlorobenzene	(2)					ND	ND			0.80	5.00
104) Ethylbenzene	(2)					ND	ND			0.80	5.00
105) m+p-Xylene	(2)					ND	ND			0.80	5.00
106) Xylene (Total)	(2)					ND	ND			0.80	5.00
107) o-Xylene	(2)					ND	ND			0.80	5.00
109) Bromoform	(2)					ND	ND			1.00	5.00
116) 1,1,2,2-Tetrachloroethane	(3)					ND	ND			1.00	5.00
131) 1,3-Dichlorobenzene	(3)					ND	ND			1.00	5.00
133) 1,4-Dichlorobenzene	(3)					ND	ND			1.00	5.00
139) 1,2-Dichlorobenzene	(3)					ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Comments:

Analyst: [signature] Date: 6/14/06

Auditor: [signature] Date: 6/14/06

0138

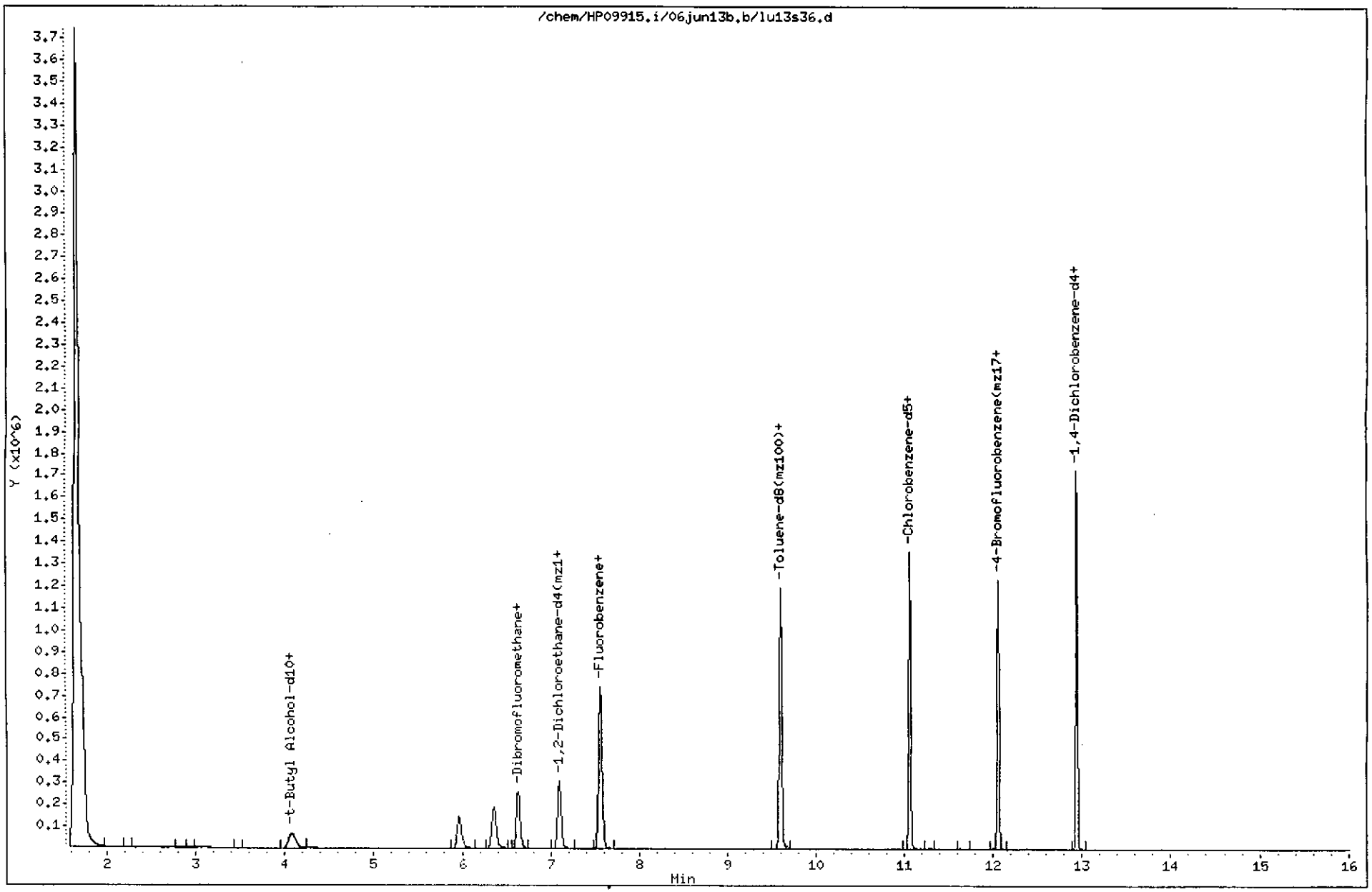
Data File: /chem/HP09915.i/06jun13b.b/lu13s36.d
Date : 14-JUN-2006 00:58
Client ID: OR3--
Sample Info: OR3--;4791570;1;0;;;;
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP09915.i

Operator: LCH01518
Column diameter: 0.25

Jun7d
6/14/06

/chem/HP09915.i/06jun13b.b/lu13s36.d



Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun13b.b/lu13s36.d Instrument ID: HP09915.i
Injection date and time: 14-JUN-2006 00:58 Analyst ID: LCM01518

Method used: /chem/HP09915.i/06jun13b.b/L8260W.m Sublist used: CHEVENV
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 14-Jun-2006 09:10 ads01731

Sample Name: OR3-- Lab Sample ID: 4791570

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
70)*Fluorobenzene	(1)	7.562	96	940238	50.000
101)*Chlorobenzene-d5	(2)	11.063	117	708188	50.000
132)*1,4-Dichlorobenzene-d4	(3)	12.938	152	379295	50.000
51)$Dibromofluoromethane	(1)	6.639	113	240432	46.421
62)$1,2-Dichloroethane-d4	(1)	7.096	102	53286	44.990
89)$Toluene-d8	(2)	9.600	98	926209	45.099
113)$4-Bromofluorobenzene	(2)	12.057	95	366804	40.121

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

Standards Data

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Instrument ID: HP09915 Calibration Date(s): 06/06/06 06/06/06

Heated Purge: (Y/N) Y Calibration Times: 17:25 20:30

Matrix: (soil/water) WATER Level: (low/med) LOW GC Column: DB-624 ID: .25

LAB FILE ID: RRF 4 = lu06i06.d RRF 10= lu06i08.d RRF 20= lu06i04.d
RRF 50= lu06i03.d RRF100= lu06i02.d RRF300= lu06i07.d RRF =

COMPOUND	RRF 4	RRF 10	RRF 20	RRF 50	RRF100	RRF300	RRF	$\overline{RRF}$	% RSD	CAL. METHOD	
Dichlorodifluoromethane	0.3466	0.3751	0.3458	0.3636	0.3611	0.3121		0.3507	6	AVG	
Chloromethane	#0.3475	0.3427	0.3432	0.3487	0.3426	0.3175		0.3404	3	AVG	#
Vinyl Chloride	*0.3209	0.3269	0.3094	0.3142	0.3057	0.2835		0.3101	5	AVG	*
Bromomethane	0.2152	0.2076	0.2051	0.2003	0.2028	0.1780		0.2015	6	AVG	
Chloroethane	0.1746	0.1741	0.1653	0.1646	0.1594	0.1374		0.1626	8	AVG	
Trichlorofluoromethane	0.3661	0.3812	0.3586	0.3702	0.3709	0.3233		0.3617	6	AVG	
Ethyl Ether	0.2062	0.2123	0.1951	0.2137	0.2117	0.1802		0.2032	6	AVG	
Acrolein	0.0705	0.0937	0.0804	0.0743	0.0812	0.0616		0.0769	14	AVG	
1,1-Dichloroethene	*0.2194	0.2145	0.1994	0.2285	0.2261	0.2286		0.2194	5	AVG	*
Freon 113	0.2201	0.2158	0.2099	0.2504	0.2360	0.2464		0.2298	7	AVG	
Acetone	0.0437	0.0470	0.0434	0.0465	0.0447	0.0422		0.0446	4	AVG	
Methyl Iodide	0.3960	0.3974	0.3770	0.4301	0.4232	0.4381		0.4103	6	AVG	
2-Propanol	0.0308	0.0341	0.0308	0.0315	0.0311	0.0307		0.0315	4	AVG	
Carbon Disulfide	0.7847	0.7907	0.7362	0.8572	0.8487	0.8632		0.8134	6	AVG	
Allyl Chloride	0.4808	0.4535	0.4501	0.5122	0.4780	0.4582		0.4721	5	AVG	
Methyl Acetate	0.3663	0.3297	0.3149	0.3546	0.3453	0.3189		0.3383	6	AVG	
Methylene Chloride	0.3043	0.2686	0.2440	0.2688	0.2617	0.2647		0.2687	7	AVG	
t-Butyl Alcohol	1.1089	1.2025	1.1241	1.1411	1.1645	1.1031		1.1407	3	AVG	
Acrylonitrile	0.1721	0.1801	0.1680	0.1750	0.1711	0.1643		0.1717	3	AVG	
trans-1,2-Dichloroethene	0.2331	0.2334	0.2207	0.2555	0.2492	0.2528		0.2408	6	AVG	
Methyl Tertiary Butyl Ether	0.7505	0.7405	0.7437	0.8308	0.8331	0.8381		0.7895	6	AVG	
n-Hexane	0.3785	0.3144	0.3295	0.3952	0.3548	0.4041		0.3627	10	AVG	
1,2-Dichloroethene (total)	0.2406	0.2397	0.2299	0.2638	0.2585	0.2623		0.2491	6	AVG	
1,1-Dichloroethane	#0.4687	0.4549	0.4331	0.4949	0.4886	0.4929		0.4722	5	AVG	#
di-Isopropyl Ether	0.9130	0.9251	0.9106	1.0296	1.0241	1.0199		0.9704	6	AVG	
2-Chloro-1,3-Butadiene	0.3627	0.3589	0.3538	0.4219	0.4180	0.4255		0.3901	9	AVG	
Ethyl t-Butyl Ether	0.7346	0.7409	0.7548	0.8543	0.8515	0.8653		0.8002	8	AVG	
cis-1,2-Dichloroethene	0.2481	0.2460	0.2392	0.2722	0.2677	0.2717		0.2575	6	AVG	
2-Butanone	0.0501	0.0591	0.0550	0.0555	0.0564	0.0536		0.0550	5	AVG	
2,2-Dichloropropane	0.3173	0.3102	0.3124	0.3687	0.3650	0.3733		0.3411	9	AVG	
Propionitrile	0.0644	0.0654	0.0648	0.0670	0.0677	0.0672		0.0661	2	AVG	
Methacrylonitrile	0.1555	0.1566	0.1530	0.1626	0.1633	0.1603		0.1585	3	AVG	
Bromochloromethane	0.1337	0.1330	0.1279	0.1459	0.1366	0.1316		0.1348	5	AVG	
Tetrahydrofuran	0.1561	0.1744	0.1626	0.1689	0.1688	0.1601		0.1651	4	AVG	
Chloroform	*0.4167	0.4176	0.4032	0.4538	0.4489	0.4569		0.4328	5	AVG	*
1,1,1-Trichloroethane	0.3510	0.3422	0.3394	0.3915	0.3846	0.4011		0.3683	7	AVG	
Cyclohexane	0.4393	0.4163	0.4077	0.4976	0.4634	0.5076		0.4553	9	AVG	
1,1-Dichloropropene	0.3312	0.3224	0.3166	0.3643	0.3519	0.3595		0.3410	6	AVG	
Carbon Tetrachloride	0.3109	0.3022	0.3032	0.3518	0.3436	0.3665		0.3297	8	AVG	
Isobutyl Alcohol	0.0181	0.0215	0.0202	0.0197	0.0212	0.0199		0.0201	6	AVG	
Benzene	1.0015	0.9977	0.9541	1.0707	1.0448	1.0554		1.0207	4	AVG	
1,2-Dichloroethane	0.3838	0.3739	0.3670	0.4111	0.4072	0.4073		0.3917	5	AVG	
t-Amyl Methyl Ether	0.6273	0.6505	0.6651	0.7439	0.7513	0.7728		0.7018	9	AVG	
n-Heptane	0.0534	0.0441	0.0442	0.0504	0.0438	0.0527		0.0481	10	AVG	
n-Butanol	0.0135	0.0159	0.0152	0.0148	0.0164	0.0159		0.0153	7	AVG	
Trichloroethene	0.2587	0.2481	0.2460	0.2762	0.2682	0.2766		0.2623	5	AVG	
1,2-Dichloropropane	*0.2788	0.2734	0.2723	0.3090	0.3071	0.3079		0.2914	6	AVG	*
Methylcyclohexane	0.3641	0.3696	0.3602	0.4360	0.3931	0.4110		0.3890	8	AVG	
Methyl Methacrylate	0.2261	0.2429	0.2521	0.2777	0.2803	0.2829		0.2603	9	AVG	
Dibromomethane	0.1747	0.1722	0.1685	0.1889	0.1905	0.1938		0.1814	6	AVG	
1,4-Dioxane	0.0038	0.0042	0.0039	0.0040	0.0041	0.0040		0.0040	3	AVG	
Bromodichloromethane	0.2918	0.3003	0.3035	0.3483	0.3504	0.3661		0.3267	10	AVG	

0142

Minimum RRF for SPCC(#) = 0.10
(0.30 for Chlorobenzene, 1,1,2,2-Tetrachloroethane)
Maximum %RSD for CCC(*) = 30%

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Instrument ID: HP09915 Calibration Date(s): 06/06/06 06/06/06

Heated Purge: (Y/N) Y Calibration Times: 17:25 20:30

Matrix: (soil/water) WATER Level: (low/med) LOW GC Column: DB-624 ID: .25

LAB FILE ID: RRF 4 = lu06i06.d RRF 10= lu06i08.d RRF 20= lu06i04.d
RRF 50= lu06i03.d RRF100= lu06i02.d RRF300= lu06i07.d RRF =

COMPOUND	RRF 4	RRF 10	RRF 20	RRF 50	RRF100	RRF300	RRF	$\overline{RRF}$	% RSD	CAL. METHOD	
2-Nitropropane	0.1005	0.1248	0.1200	0.1244	0.1269	0.1229		0.1199	8	AVG	
2-Chloroethyl Vinyl Ether	0.2013	0.2105	0.2181	0.2441	0.2449	0.2367		0.2259	8	AVG	
cis-1,3-Dichloropropene	0.3819	0.4002	0.4102	0.4685	0.4723	0.4872		0.4367	10	AVG	
4-Methyl-2-Pentanone	0.4569	0.6324	0.5490	0.5211	0.5444	0.4899		0.5323	11	AVG	
Toluene	*0.8072	0.8026	0.8033	0.9050	0.8714	0.8785		0.8447	5	AVG	*
trans-1,3-Dichloropropene	0.4537	0.4781	0.5017	0.5756	0.5879	0.5855		0.5304	11	AVG	
Ethyl Methacrylate	0.4824	0.5385	0.5785	0.6487	0.6563	0.6442		0.5914	12	AVG	
1,1,2-Trichloroethane	0.3174	0.3171	0.3177	0.3453	0.3452	0.3441		0.3311	5	AVG	
Tetrachloroethene	0.3745	0.3426	0.3284	0.3830	0.3591	0.3915		0.3632	7	AVG	
1,3-Dichloropropane	0.5813	0.5738	0.5858	0.6450	0.6334	0.6071		0.6044	5	AVG	
2-Hexanone	0.4720	0.7347	0.5878	0.5501	0.5997	0.5095		0.5756	16	2NDDEG	
Dibromochloromethane	0.3138	0.3362	0.3494	0.3981	0.4046	0.4206		0.3704	12	AVG	
1,2-Dibromoethane	0.3453	0.3537	0.3622	0.3976	0.3988	0.3991		0.3761	7	AVG	
Chlorobenzene	#0.9461	0.9272	0.9313	1.0261	0.9892	0.9979		0.9696	4	AVG	#
1,1,1,2-Tetrachloroethane	0.3003	0.3065	0.3217	0.3617	0.3538	0.3685		0.3354	9	AVG	
Ethylbenzene	*1.5945	1.5640	1.5493	1.7594	1.6496	1.6614		1.6297	5	AVG	*
m+p-Xylene	0.6055	0.6070	0.6078	0.6905	0.6463	0.6763		0.6389	6	AVG	
Xylene (Total)	0.5919	0.5926	0.5985	0.6768	0.6352	0.6526		0.6246	6	AVG	
o-Xylene	0.5783	0.5782	0.5893	0.6630	0.6242	0.6290		0.6103	6	AVG	
Styrene	0.8867	0.9634	0.9967	1.1283	1.0875	1.0807		1.0239	9	AVG	
Bromoform	#0.2281	0.2499	0.2732	0.3096	0.3187	0.3419		0.2869	15	AVG	#
Isopropylbenzene	1.5102	1.4659	1.4537	1.6743	1.5233	1.6323		1.5433	6	AVG	
Cyclohexanone	0.0251	0.0247	0.0227	0.0266	0.0268	0.0259		0.0253	6	AVG	
1,1,2,2-Tetrachloroethane	#0.9686	0.9964	1.0417	1.0633	1.0469	0.9656		1.0138	4	AVG	#
trans-1,4-Dichloro-2-Butene	0.3591	0.3676	0.3673	0.3779	0.3672	0.3103		0.3582	7	AVG	
Bromobenzene	0.7178	0.7050	0.7298	0.7951	0.7575	0.7605		0.7443	4	AVG	
1,2,3-Trichloropropane	0.2714	0.2733	0.2861	0.2934	0.2838	0.2603		0.2781	4	AVG	
n-Propylbenzene	0.8293	0.7626	0.7630	0.8501	0.7583	0.8095		0.7955	5	AVG	
2-Chlorotoluene	0.6874	0.6804	0.6749	0.7484	0.6924	0.7125		0.6993	4	AVG	
1,3,5-Trimethylbenzene	1.1537	1.0981	1.1049	1.2428	1.1198	1.1998		1.1532	5	AVG	
4-Chlorotoluene	0.7461	0.7227	0.7029	0.7906	0.7211	0.7432		0.7378	4	AVG	
tert-Butylbenzene	0.5173	0.4666	0.4719	0.5411	0.4826	0.5307		0.5017	6	AVG	
Pentachloroethane	0.4411	0.4406	0.4401	0.5184	0.4911	0.4901		0.4702	7	AVG	
1,2,4-Trimethylbenzene	2.4443	2.3441	2.3324	2.6259	2.3622	2.4123		2.4202	5	AVG	
sec-Butylbenzene	0.5864	0.5192	0.5356	0.6152	0.5416	0.6147		0.5688	7	AVG	
p-Isopropyltoluene	0.7065	0.5984	0.6327	0.7115	0.6306	0.7119		0.6653	8	AVG	
1,3-Dichlorobenzene	1.4113	1.3697	1.3438	1.4912	1.3731	1.4450		1.4057	4	AVG	
1,4-Dichlorobenzene	1.4989	1.4522	1.4301	1.5529	1.4419	1.5229		1.4831	3	AVG	
1,2,3-Trimethylbenzene	1.1024	1.0929	1.0682	1.2230	1.1152	1.0727		1.1124	5	AVG	
Benzyl Chloride	1.6274	1.7776	1.9771	2.1887	2.1901	2.1592		1.9867	12	AVG	
1,3-Diethylbenzene	1.5244	1.5218	1.4839	1.7066	1.5177	1.4866		1.5401	5	AVG	
1,4-Diethylbenzene	1.6240	1.5874	1.5465	1.7763	1.5808	1.5356		1.6084	5	AVG	
n-Butylbenzene	1.3705	1.1634	1.1752	1.3208	1.1464	1.2367		1.2355	7	AVG	
1,2-Dichlorobenzene	1.3828	1.3600	1.3344	1.4545	1.3613	1.4337		1.3878	3	AVG	
1,2-Diethylbenzene	1.3082	1.2814	1.2503	1.4366	1.2856	1.2554		1.3029	5	AVG	
1,2-Dibromo-3-Chloropropane	0.2174	0.2234	0.2370	0.2458	0.2503	0.2415		0.2359	5	AVG	
1,2,4-Trichlorobenzene	1.0509	0.9389	0.9881	1.0742	0.9881	1.0747		1.0191	5	AVG	
Hexachlorobutadiene	0.4556	0.3552	0.3842	0.4190	0.3557	0.4012		0.3952	10	AVG	
Naphthalene	2.8771	3.0330	3.0829	3.2724	3.1537	2.9547		3.0623	5	AVG	
1,2,3-Trichlorobenzene	1.0275	0.9444	0.9692	1.0263	0.9615	0.9845		0.9856	4	AVG	
Dibromofluoromethane	0.2823	0.2728	0.3070	0.2727	0.2645	0.2532		0.2754	7	AVG	

Minimum RRF for SPCC(#) = 0.10
(0.30 for Chlorobenzene, 1,1,2,2-Tetrachloroethane)
Maximum %RSD for CCC(*) = 30%

0143

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Instrument ID: HP09915 Calibration Date(s): 06/06/06 06/06/06

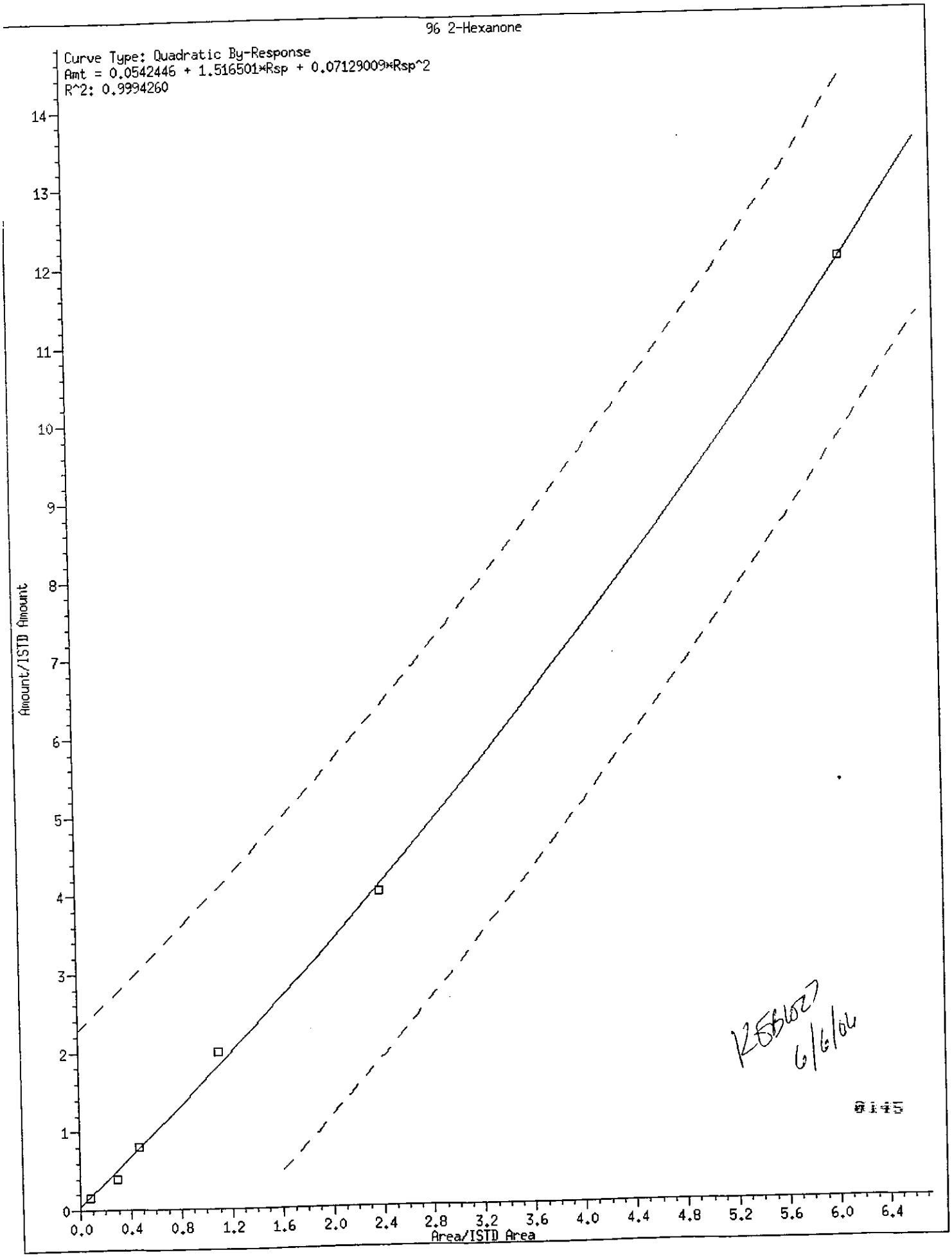
Heated Purge: (Y/N) Y Calibration Times: 17:25 20:30

Matrix: (soil/water) WATER Level: (low/med) LOW GC Column: DB-624 ID: .25

LAB FILE ID: RRF 4 = lu06i06.d RRF 10= lu06i08.d RRF 20= lu06i04.d
RRF 50= lu06i03.d RRF100= lu06i02.d RRF300= lu06i07.d RRF =

COMPOUND	RRF 4	RRF 10	RRF 20	RRF 50	RRF100	RRF300	RRF	$\overline{RRF}$	% RSD	CAL. METHOD
Dibromofluoromethane(mz111)	0.2856	0.2824	0.3107	0.2788	0.2702	0.2592		0.2812	6	AVG
1,2-Dichloroethane-d4	0.0656	0.0659	0.0680	0.0614	0.0600	0.0571		0.0630	7	AVG
1,2-Dichloroethane-d4(mz104)	0.0406	0.0416	0.0433	0.0389	0.0381	0.0365		0.0398	6	AVG
Toluene-d8	1.4986	1.4842	1.6120	1.4526	1.3822	1.2702		1.4500	8	AVG
Toluene-d8(mz100)	0.9261	0.9335	1.0200	0.9120	0.8735	0.8088		0.9123	8	AVG
4-Bromofluorobenzene	0.5956	0.7554	0.7214	0.6876	0.5967	0.5161		0.6455	14	AVG
4-Bromofluorobenzene(mz174)	0.4872	0.6075	0.5817	0.5510	0.4791	0.4329		0.5232	13	AVG

Minimum RRF for SPCC(#) = 0.10
(0.30 for Chlorobenzene, 1,1,2,2-Tetrachloroethane)
Maximum %RSD for CCC(*) = 30%


96 2-Hexanone
Curve Type: Quadratic By-Response
Amt = 0.0542446 + 1.516501*Rsp + 0.07129009*Rsp^2
R^2: 0.9994260
Amount/ISTD Amount
Area/ISTD Area
0.0 0.4 0.8 1.2 1.6 2.0 2.4 2.8 3.2 3.6 4.0 4.4 4.8 5.2 5.6 6.0 6.4
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14
K58602
6/6/06
8145

Internal Standard Area and Retention Time Summary

Initial Calibration Standards:

/chem/HP09915.i/06jun06b.b/lu06i02.d VSTD100
/chem/HP09915.i/06jun06b.b/lu06i03.d VSTD050
/chem/HP09915.i/06jun06b.b/lu06i04.d VSTD020
/chem/HP09915.i/06jun06b.b/lu06i06.d VSTD004
/chem/HP09915.i/06jun06b.b/lu06i07.d VSTD300
/chem/HP09915.i/06jun06b.b/lu06i08.d VSTD010

Area Summary

File ID:

Internal Standard Name	lu06i02.d	lu06i03.d	lu06i04.d	lu06i06.d	lu06i07.d	lu06i08.d	Avg. Area	%RSD	In Spec
t-Butyl Alcohol-d10	268922	264534	275347	250616	270779	268963	266527	3	Yes
Fluorobenzene	1300752	1287617	1334178	1264451	1294988	1301000	1297164	2	Yes
Chlorobenzene-d5	943665	933726	973594	919754	970826	946264	947972	2	Yes
1,4-Dichlorobenzene-d4	537769	526370	545338	513004	579026	531981	538915	4	Yes

%RSD of internal standard area is flagged out of spec if greater than 30.

RT Summary

File ID:

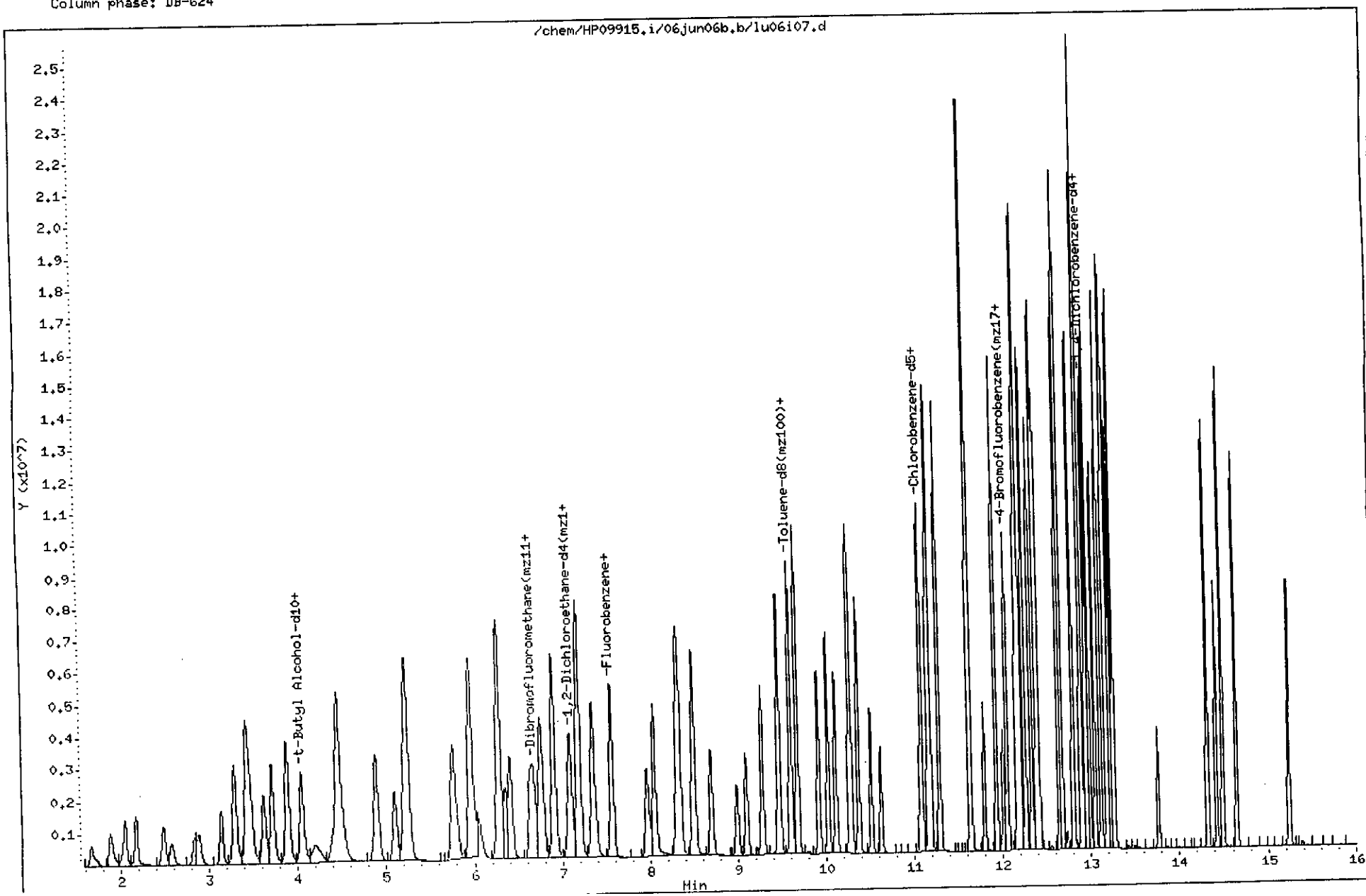
Internal Standard Name	lu06i02.d	lu06i03.d	lu06i04.d	lu06i06.d	lu06i07.d	lu06i08.d	Avg. RT
t-Butyl Alcohol-d10	4.086	4.083	4.089	4.080	4.086	4.076	4.083
Fluorobenzene	7.562	7.562	7.565	7.562	7.562	7.559	7.562
Chlorobenzene-d5	11.063	11.063	11.063	11.063	11.063	11.063	11.063
1,4-Dichlorobenzene-d4	12.941	12.941	12.938	12.941	12.941	12.941	12.940

* indicates the retention time is greater than 30 seconds from the average RT.

Data File: /chem/HP09915.i/06jun06b.b/lu06i07.d
Date : 06-JUN-2006 19:40
Client ID: VSTD300
Sample Info: VSTD300;VSTD300;1;1;;;
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP09915.i

Operator: KEB01027
Column diameter: 0.25



Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun06b.b/lu06i07.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 19:40 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 06-Jun-2006 20:04 keb01027

Sample Name: VSTD300 Lab Sample ID: VSTD300

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
1) Dichlorodifluoromethane	(1)	1.877	85	2425345	262.839
2) Chloromethane	(1)	2.044	50	2466663	272.695
3) Vinyl Chloride	(1)	2.170	62	2202835	270.475
6) Bromomethane	(1)	2.478	94	1383194	259.580
7) Chloroethane	(1)	2.572	64	1067496	249.799
8) Trichlorofluoromethane	(1)	2.880	101	2511832	263.394
10) Ethyl Ether	(1)	3.134	59	1400037	271.149
15) Acrolein	(1)	3.289	56	4782861	2400.019
16) 1,1-Dichloroethene	(1)	3.424	96	1776448	311.750
17) Freon 113	(1)	3.449	101	1914265	320.305
18) Acetone	(1)	3.462	58	655857	557.281
20) Methyl Iodide	(1)	3.617	142	3403812	317.517
21) 2-Propanol	(1)	3.633	45	1192700M	1412.009
22) Carbon Disulfide	(1)	3.713	76	6706663	316.971
23) Allyl Chloride	(1)	3.880	41	3559940	287.557
25) Methyl Acetate	(1)	3.896	43	2478129	280.674
26) Methylene Chloride	(1)	4.044	84	2057009	291.799
27)*t-Butyl Alcohol-d10	(4)	4.086	65	270779	250.000
28) t-Butyl Alcohol	(4)	4.195	59	1792099	1400.024
29) Acrylonitrile	(1)	4.391	53	1276527	283.519
30) trans-1,2-Dichloroethene	(1)	4.452	96	1964594	312.559
31) Methyl Tertiary Butyl Ether	(1)	4.465	73	6512300	309.747
33) n-Hexane	(1)	4.887	57	3140005	331.840
40) 1,2-Dichloroethene (total)	(1)		96	4076053	623.849
36) 1,1-Dichloroethane	(1)	5.096	63	3829431	309.654
37) di-Isopropyl Ether	(1)	5.218	45	7924216	308.411
39) 2-Chloro-1,3-Butadiene	(1)	5.237	53	3305818	324.230
41) Ethyl t-Butyl Ether	(1)	5.761	59	6723628	315.567
42) cis-1,2-Dichloroethene	(1)	5.957	96	2111459	311.290
43) 2-Butanone	(1)	5.970	72	832701	566.748
44) 2,2-Dichloropropane	(1)	5.960	77	2900425	323.674
45) Propionitrile	(1)	6.054	54	2610273	1477.818
46) Methacrylonitrile	(1)	6.279	67	3113249	739.804
47) Bromochloromethane	(1)	6.295	128	1022575	289.790

M = Compound was manually integrated.

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun06b.b/lu06i07.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 19:40 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 06-Jun-2006 20:04 keb01027

Sample Name: VSTD300 Lab Sample ID: VSTD300

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
48) Tetrahydrofuran	(1)	6.359	42	2487158	566.466
49) Chloroform	(1)	6.417	83	3549948	311.032
54) 1,1,1-Trichloroethane	(1)	6.674	97	3116248	323.005
55) Cyclohexane	(1)	6.764	56	3943841	334.085
58) 1,1-Dichloropropene	(1)	6.903	75	2792999	314.108
59) Carbon Tetrachloride	(1)	6.909	117	2848039	331.189
60) Isobutyl Alcohol	(1)	7.076	41	1932637	3559.898
63) Benzene	(1)	7.186	78	8200714	306.702
64) 1,2-Dichloroethane	(1)	7.205	62	3164356	303.919
67) t-Amyl Methyl Ether	(1)	7.353	73	6004247	319.399
69) n-Heptane	(1)	7.568	100	409221	329.488
70) *Fluorobenzene	(1)	7.562	96	1294988	50.000
72) n-Butanol	(1)	7.970	56	3096003	7464.885
73) Trichloroethene	(1)	8.050	95	2149125	312.432
77) 1,2-Dichloropropane	(1)	8.340	63	2392098	309.916
74) Methylcyclohexane	(1)	8.314	83	3193597	311.373
80) Methyl Methacrylate	(1)	8.507	69	2198325	310.944
79) Dibromomethane	(1)	8.491	93	1505557	309.569
81) 1,4-Dioxane	(1)	8.513	88	392318M	3630.242
82) Bromodichloromethane	(1)	8.700	83	2844681	326.452
83) 2-Nitropropane	(1)	8.993	41	1909601	591.301
84) 2-Chloroethyl Vinyl Ether	(1)	9.099	63	1838995	310.919
85) cis-1,3-Dichloropropene	(1)	9.279	75	3785847	324.789
87) 4-Methyl-2-Pentanone	(1)	9.468	43	7612200	529.053
90) Toluene	(2)	9.677	92	5117247	306.623
91) trans-1,3-Dichloropropene	(2)	9.919	75	3410499	318.213
92) Ethyl Methacrylate	(2)	10.028	69	3752237	308.325
93) 1,1,2-Trichloroethane	(2)	10.111	97	2004161	297.917
94) Tetrachloroethene	(2)	10.269	166	2280724	321.021
95) 1,3-Dichloropropane	(2)	10.285	76	3536091	289.012
96) 2-Hexanone	(2)	10.372	43	5935319	510.194
98) Dibromochloromethane	(2)	10.513	129	2450057	325.878
100) 1,2-Dibromoethane	(2)	10.626	107	2324729	304.884
101) *Chlorobenzene-d5	(2)	11.063	117	970826	50.000

M = Compound was manually integrated.

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun06b.b/lu06i07.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 19:40 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 06-Jun-2006 20:04 keb01027

Sample Name: VSTD300 Lab Sample ID: VSTD300

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
102) Chlorobenzene	(2)	11.089	112	5812823	300.955
103) 1,1,1,2-Tetrachloroethane	(2)	11.163	131	2146776	317.802
104) Ethylbenzene	(2)	11.189	91	9677505	301.145
105) m+p-Xylene	(2)	11.291	106	3939401	313.141
106) Xylene (Total)	(2)		106	7603181	615.735
107) o-Xylene	(2)	11.632	106	3663780	302.593
108) Styrene	(2)	11.642	104	6295204	308.869
109) Bromoform	(2)	11.796	173	1991653	337.459
111) Isopropylbenzene	(2)	11.935	105	9507810	313.023
115) Cyclohexanone	(2)	12.012	55	1884327	3887.384
116) 1,1,2,2-Tetrachloroethane	(3)	12.163	83	3354739	267.229
118) trans-1,4-Dichloro-2-Butene	(3)	12.208	53	2695303	630.363
117) Bromobenzene	(3)	12.185	156	2641932	296.578
119) 1,2,3-Trichloropropane	(3)	12.201	110	904235	263.192
120) n-Propylbenzene	(3)	12.262	120	2812430	302.342
122) 2-Chlorotoluene	(3)	12.336	126	2475184	300.105
123) 1,3,5-Trimethylbenzene	(3)	12.391	120	4168437	306.761
125) 4-Chlorotoluene	(3)	12.417	126	2581975	296.685
126) tert-Butylbenzene	(3)	12.642	134	1843791	311.749
127) Pentachloroethane	(3)	12.664	167	1702660	304.918
128) 1,2,4-Trimethylbenzene	(3)	12.677	105	8380722	293.373
129) sec-Butylbenzene	(3)	12.806	134	2135674	318.836
130) p-Isopropyltoluene	(3)	12.906	134	2473252	315.215
131) 1,3-Dichlorobenzene	(3)	12.896	146	5020118	300.796
132)*1,4-Dichlorobenzene-d4	(3)	12.941	152	579026	50.000
133) 1,4-Dichlorobenzene	(3)	12.960	146	5290667	300.196
134) 1,2,3-Trimethylbenzene	(3)	12.989	120	3726771	284.329
135) Benzyl Chloride	(3)	13.050	91	7501432	308.100
136) 1,3-Diethylbenzene	(3)	13.118	119	5164526	285.733
137) 1,4-Diethylbenzene	(3)	13.179	119	5334886	282.289
138) n-Butylbenzene	(3)	13.198	92	4296408	294.765
139) 1,2-Dichlorobenzene	(3)	13.230	146	4980875	301.256
140) 1,2-Diethylbenzene	(3)	13.266	119	4361306	284.634
141) 1,2-Dibromo-3-Chloropropane	(3)	13.767	75	839013	287.942

8150

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun06b.b/lu06i07.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 19:40 Analyst ID: KEB01027

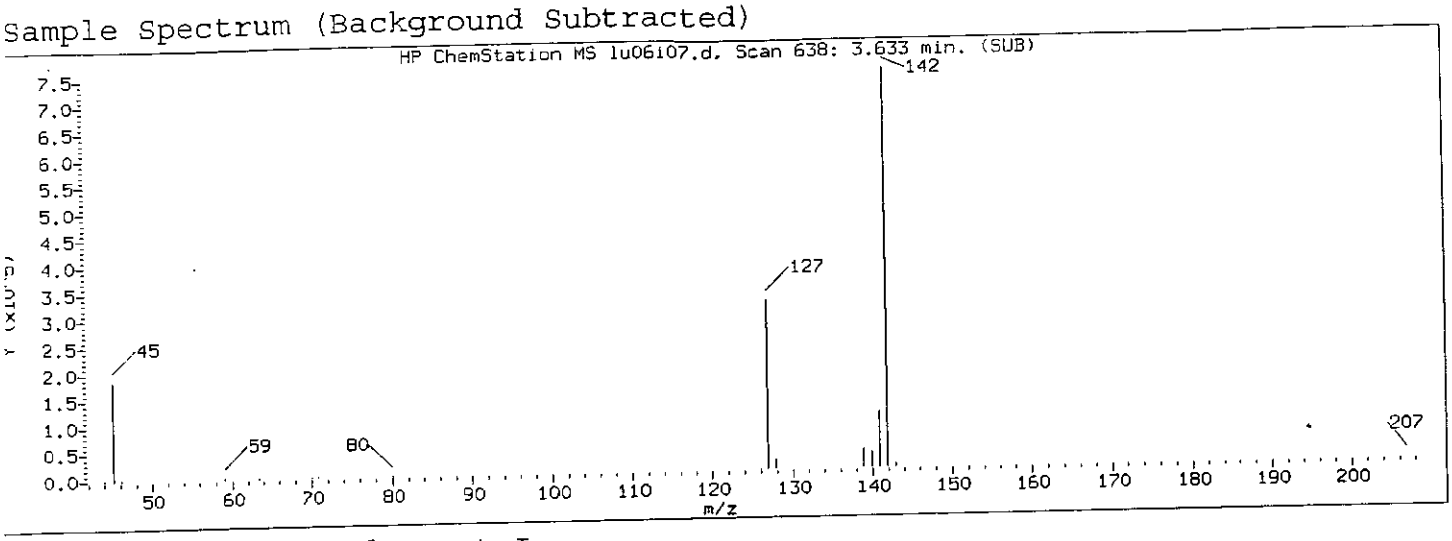
Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 06-Jun-2006 20:04 keb01027

Sample Name: VSTD300 Lab Sample ID: VSTD300

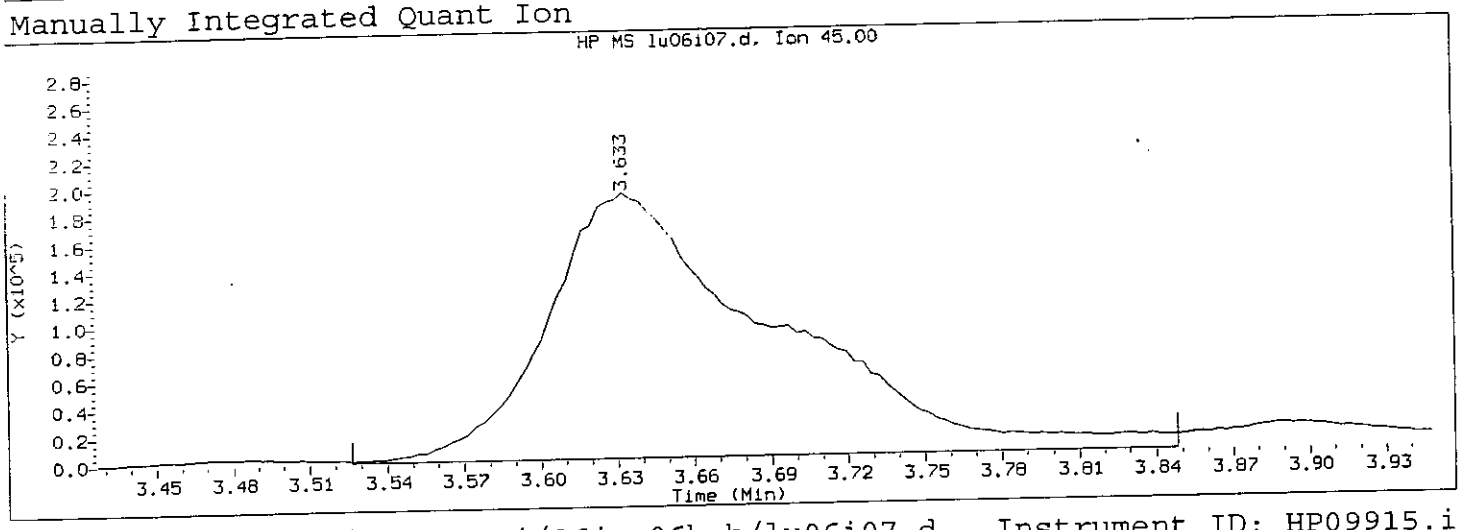
Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
142) 1,2,4-Trichlorobenzene	(3)	14.327	180	3733786	304.953
143) Hexachlorobutadiene	(3)	14.426	225	1393883	296.103
144) Naphthalene	(3)	14.494	128	10265215	276.378
145) 1,2,3-Trichlorobenzene	(3)	14.651	180	3420477	288.435
51)$Dibromofluoromethane	(1)	6.632	113	1967582	264.052
52)$Dibromofluoromethane(mz111)	(1)	6.632	111	2013768	264.624
62)$1,2-Dichloroethane-d4	(1)	7.099	102	443329	261.488
61)$1,2-Dichloroethane-d4(mz104)	(1)	7.095	104	283729	264.899
89)$Toluene-d8	(2)	9.603	98	7398946	251.390
88)$Toluene-d8(mz100)	(2)	9.603	100	4711085	254.618
113)$4-Bromofluorobenzene	(2)	12.060	95	3006369	227.681
112)$4-Bromofluorobenzene(mz174)	(2)	12.060	174	2521637	235.835

$ = Compound is a surrogate standard.

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP09915.i/06jun06b.b/lu06i07.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 19:40 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 20:04
Date, time and analyst ID of latest file update: 06-Jun-2006 20:04 keb01027

Sample Name: VSTD300 Lab Sample ID: VSTD300

Compound Number	: 21
Compound Name	: 2-Propanol
Scan Number	: 638
Retention Time (minutes)	: 3.633
Quant Ion	: 45
Area (flag)	: 1192700 M
Concentration (ug/L)	: 1412.0087
Integration start scan	: 604 Integration stop scan: 704
Y at integration start	: 41 Y at integration end: 44

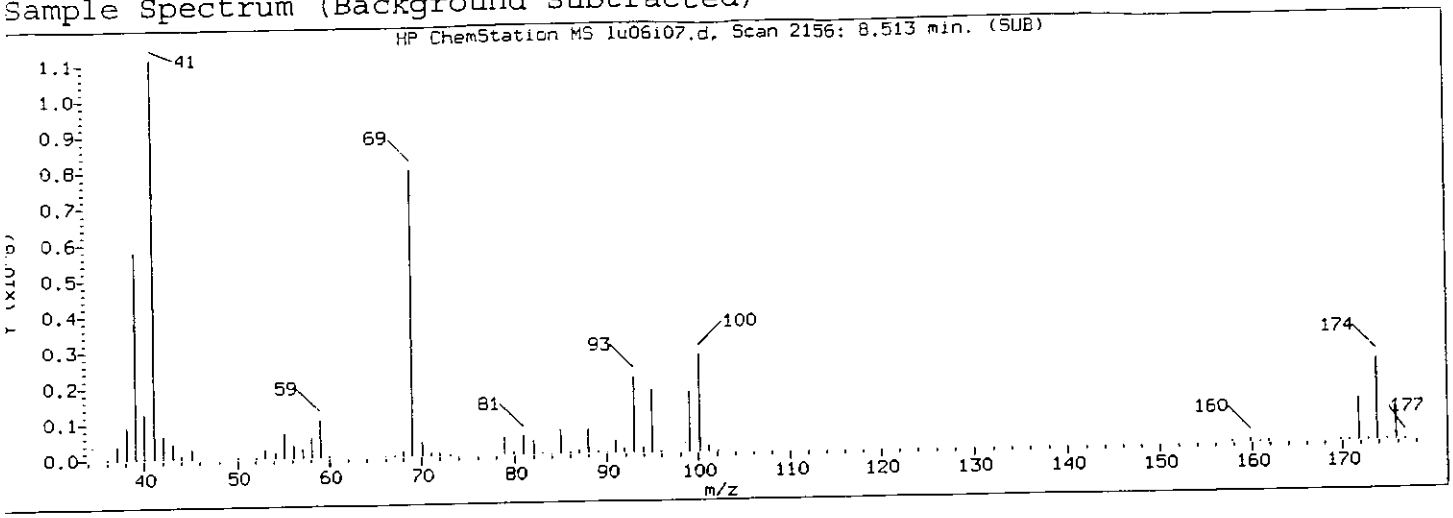
Reason for manual integration (circle one): missed peak improper integration

Analyst responsible for change: KEB1027 6/6/06

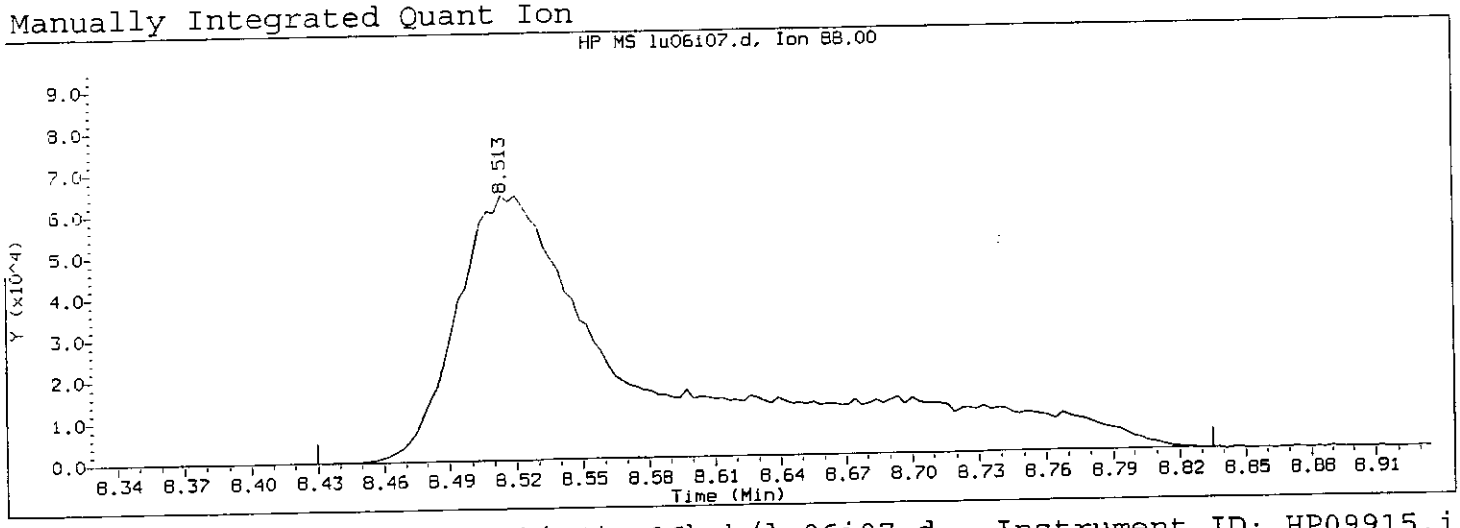
GC/MS audit/management approval: [illegible] 6/7/06

Manual Integration Report for data file /chem/HP09915.i/06jun06b.b/lu06i07.d, generated on 06/06/2006 at 20:04

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP09915.i/06jun06b.b/lu06i07.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 19:40 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 20:04
Date, time and analyst ID of latest file update: 06-Jun-2006 20:04 keb01027

Sample Name: VSTD300 Lab Sample ID: VSTD300

Compound Number	: 81
Compound Name	: 1,4-Dioxane
Scan Number	: 2156
Retention Time (minutes)	: 8.513
Quant Ion	: 88
Area (flag)	: 392318 M
Concentration (ug/L)	: 3630.2416
Integration start scan	: 2129 Integration stop scan: 2255
Y at integration start	: 0 Y at integration end: 268

Reason for manual integration (circle one): missed peak improper integration

Analyst responsible for change: KEB1027 6/6/06

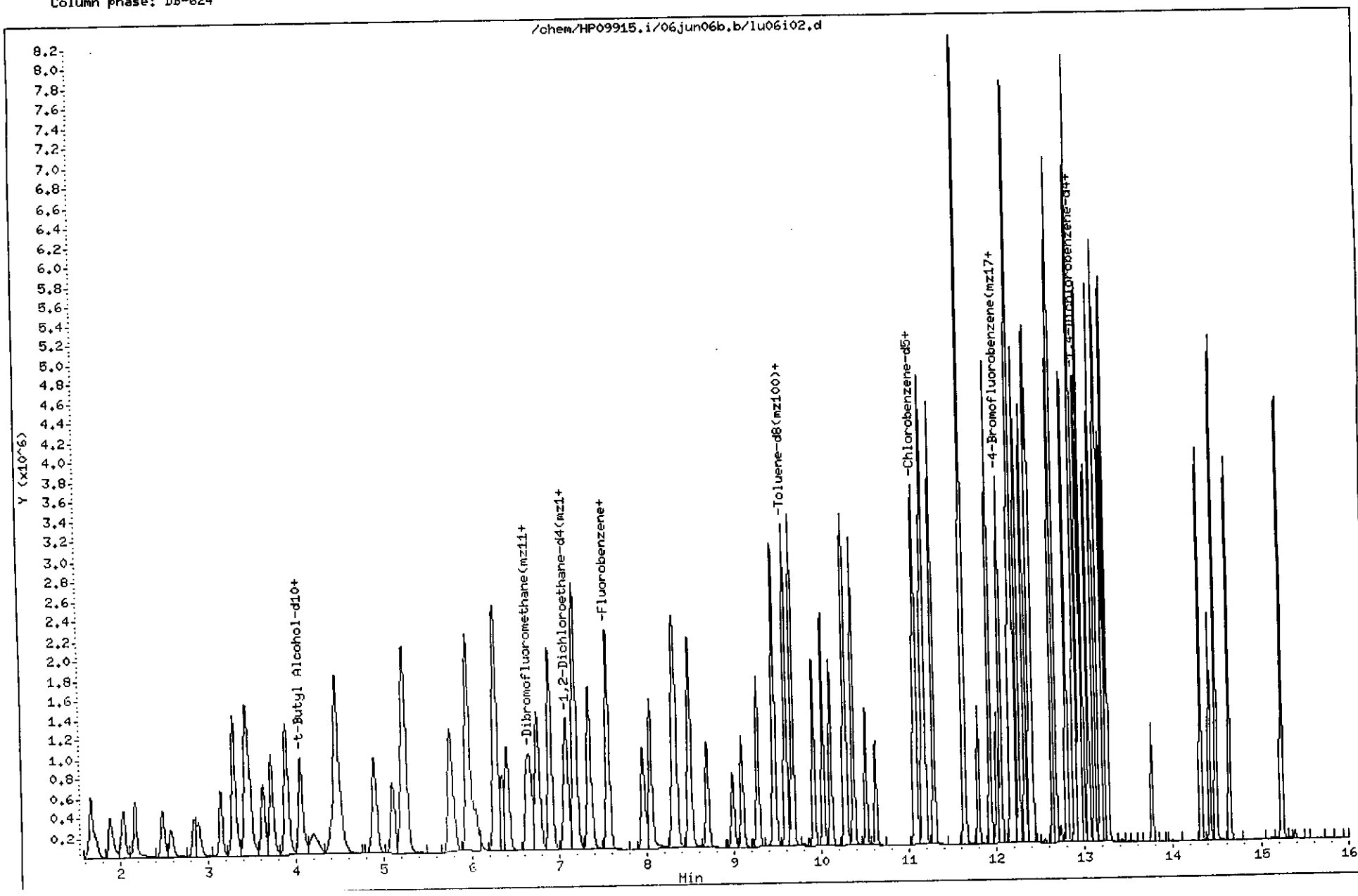
8153

GC/MS audit/management approval: [illegible] 6/7/06

Data File: /chem/HP09915.i/06jun06b.b/lu06i02.d
Date : 06-JUN-2006 17:25
Client ID: VSTD100
Sample Info: VSTD100;VSTD100;1;1;;;
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP09915.i

Operator: KEB01027
Column diameter: 0.25



Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun06b.b/lu06i02.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 17:25 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 06-Jun-2006 18:12 keb01027

Sample Name: VSTD100 Lab Sample ID: VSTD100

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
1) Dichlorodifluoromethane	(1)	1.884	85	939289	101.198
2) Chloromethane	(1)	2.038	50	891187	100.682
3) Vinyl Chloride	(1)	2.170	62	795269	100.530
6) Bromomethane	(1)	2.478	94	527609	105.711
7) Chloroethane	(1)	2.572	64	414573	104.275
8) Trichlorofluoromethane	(1)	2.835	101	964877	102.099
10) Ethyl Ether	(1)	3.141	59	550663	102.463
15) Acrolein	(1)	3.289	56	2113089	1150.066
16) 1,1-Dichloroethene	(1)	3.427	96	588237	99.297
17) Freon 113	(1)	3.456	101	614049	96.219
18) Acetone	(1)	3.475	58	232766	201.400
20) Methyl Iodide	(1)	3.623	142	1100930	100.099
21) 2-Propanol	(1)	3.633	45	404441	498.627
22) Carbon Disulfide	(1)	3.720	76	2207769	99.045
23) Allyl Chloride	(1)	3.887	41	1243537	96.929
25) Methyl Acetate	(1)	3.900	43	898397	98.774
26) Methylene Chloride	(1)	4.051	84	680690	99.262
27)*t-Butyl Alcohol-d10	(4)	4.086	65	268922	250.000
28) t-Butyl Alcohol	(4)	4.195	59	626344	508.248
29) Acrylonitrile	(1)	4.398	53	444998	100.490
30) trans-1,2-Dichloroethene	(1)	4.462	96	648380	99.190
31) Methyl Tertiary Butyl Ether	(1)	4.465	73	2167301	100.214
33) n-Hexane	(1)	4.896	57	922953	91.457
40) 1,2-Dichloroethene (total)	(1)		96	1344929	198.709
36) 1,1-Dichloroethane	(1)	5.099	63	1271146M	99.034
37) di-Isopropyl Ether	(1)	5.221	45	2664305	99.347
39) 2-Chloro-1,3-Butadiene	(1)	5.244	53	1087319	98.351
41) Ethyl t-Butyl Ether	(1)	5.761	59	2215109	99.401
42) cis-1,2-Dichloroethene	(1)	5.961	96	696549	99.519
43) 2-Butanone	(1)	5.973	72	293630	205.583
44) 2,2-Dichloropropane	(1)	5.967	77	949523	99.109
45) Propionitrile	(1)	6.054	54	880555	498.316
46) Methacrylonitrile	(1)	6.276	67	1062162	250.164
47) Bromochloromethane	(1)	6.295	128	355237	98.284

M = Compound was manually integrated.

* = Compound is an internal standard.

8155

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun06b.b/lu06i02.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 17:25 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 06-Jun-2006 18:12 keb01027

Sample Name: VSTD100 Lab Sample ID: VSTD100

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
48) Tetrahydrofuran	(1)	6.359	42	878197	203.027
49) Chloroform	(1)	6.414	83	1167904	98.862
54) 1,1,1-Trichloroethane	(1)	6.681	97	1000666	97.853
55) Cyclohexane	(1)	6.764	56	1205664	93.507
58) 1,1-Dichloropropene	(1)	6.906	75	915559	97.629
59) Carbon Tetrachloride	(1)	6.909	117	893924	96.928
60) Isobutyl Alcohol	(1)	7.073	41	687939	1282.769
63) Benzene	(1)	7.186	78	2718099	98.841
64) 1,2-Dichloroethane	(1)	7.202	62	1059228	98.989
67) t-Amyl Methyl Ether	(1)	7.353	73	1954516	99.419
69) n-Heptane	(1)	7.568	100	114006	88.871
70) *Fluorobenzene	(1)	7.562	96	1300752	50.000
72) n-Butanol	(1)	7.967	56	1064572	2577.176
73) Trichloroethene	(1)	8.054	95	697718	97.918
77) 1,2-Dichloropropane	(1)	8.340	63	799046	99.216
74) Methylcyclohexane	(1)	8.311	83	1022691	93.398
80) Methyl Methacrylate	(1)	8.504	69	729329	99.356
79) Dibromomethane	(1)	8.488	93	495555	99.420
81) 1,4-Dioxane	(1)	8.520	88	134474	1256.674
82) Bromodichloromethane	(1)	8.700	83	911457	98.453
83) 2-Nitropropane	(1)	8.989	41	660443	203.326
84) 2-Chloroethyl Vinyl Ether	(1)	9.099	63	636994	99.220
85) cis-1,3-Dichloropropene	(1)	9.279	75	1228726	98.969
87) 4-Methyl-2-Pentanone	(1)	9.468	43	2832583	209.661
90) Toluene	(2)	9.677	92	1644686	98.509
91) trans-1,3-Dichloropropene	(2)	9.915	75	1109585	100.245
92) Ethyl Methacrylate	(2)	10.025	69	1238658	100.460
93) 1,1,2-Trichloroethane	(2)	10.112	97	651566	100.185
94) Tetrachloroethene	(2)	10.269	166	677649	96.325
95) 1,3-Dichloropropane	(2)	10.285	76	1195446	100.477
96) 2-Hexanone	(2)	10.369	43	2263790	217.168
98) Dibromochloromethane	(2)	10.513	129	763553	99.482
100) 1,2-Dibromoethane	(2)	10.626	107	752752	100.041
101) *Chlorobenzene-d5	(2)	11.063	117	943665	50.000

0156

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun06b.b/lu06i02.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 17:25 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 06-Jun-2006 18:12 keb01027

Sample Name: VSTD100 Lab Sample ID: VSTD100

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
102) Chlorobenzene	(2)	11.089	112	1867024	98.869
103) 1,1,1,2-Tetrachloroethane	(2)	11.163	131	667799	98.220
104) Ethylbenzene	(2)	11.189	91	3113261	97.593
105) m+p-Xylene	(2)	11.292	106	1219761	96.575
106) Xylene (Total)	(2)		106	2397853	194.750
107) o-Xylene	(2)	11.632	106	1178092	98.175
108) Styrene	(2)	11.642	104	2052528	99.330
109) Bromoform	(2)	11.796	173	601544	99.110
111) Isopropylbenzene	(2)	11.935	105	2874940	94.850
115) Cyclohexanone	(2)	12.012	55	631848	1241.642
116) 1,1,2,2-Tetrachloroethane	(3)	12.163	83	1125984	101.053
118) trans-1,4-Dichloro-2-Butene	(3)	12.205	53	987308M	256.215
117) Bromobenzene	(3)	12.185	156	814703	99.042
119) 1,2,3-Trichloropropane	(3)	12.201	110	305205	101.095
120) n-Propylbenzene	(3)	12.259	120	815613	94.296
122) 2-Chlorotoluene	(3)	12.333	126	744687	96.751
123) 1,3,5-Trimethylbenzene	(3)	12.391	120	1204419	94.430
125) 4-Chlorotoluene	(3)	12.414	126	775555	96.203
126) tert-Butylbenzene	(3)	12.642	134	519107	93.233
127) Pentachloroethane	(3)	12.665	167	528207	97.055
128) 1,2,4-Trimethylbenzene	(3)	12.674	105	2540586	95.665
129) sec-Butylbenzene	(3)	12.803	134	582554	92.000
130) p-Isopropyltoluene	(3)	12.906	134	678219	92.044
131) 1,3-Dichlorobenzene	(3)	12.893	146	1476874	95.925
132)*1,4-Dichlorobenzene-d4	(3)	12.941	152	537769	50.000
133) 1,4-Dichlorobenzene	(3)	12.957	146	1550862	96.023
134) 1,2,3-Trimethylbenzene	(3)	12.989	120	1199389	96.546
135) Benzyl Chloride	(3)	13.050	91	2355536	99.370
136) 1,3-Diethylbenzene	(3)	13.118	119	1632352	95.019
137) 1,4-Diethylbenzene	(3)	13.179	119	1700225	95.304
138) n-Butylbenzene	(3)	13.198	92	1232969	92.082
139) 1,2-Dichlorobenzene	(3)	13.230	146	1464083	96.291
140) 1,2-Diethylbenzene	(3)	13.266	119	1382728	95.199
141) 1,2-Dibromo-3-Chloropropane	(3)	13.767	75	269228	99.639

M = Compound was manually integrated.

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun06b.b/lu06i02.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 17:25 Analyst ID: KEB01027

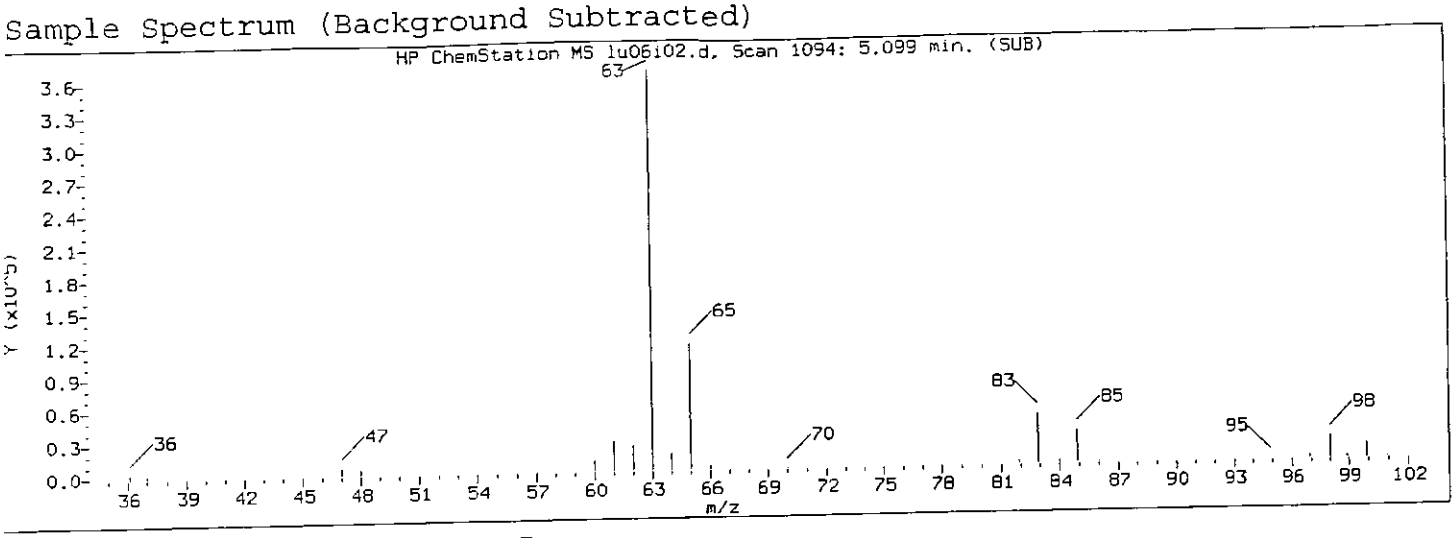
Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 06-Jun-2006 18:12 keb01027

Sample Name: VSTD100 Lab Sample ID: VSTD100

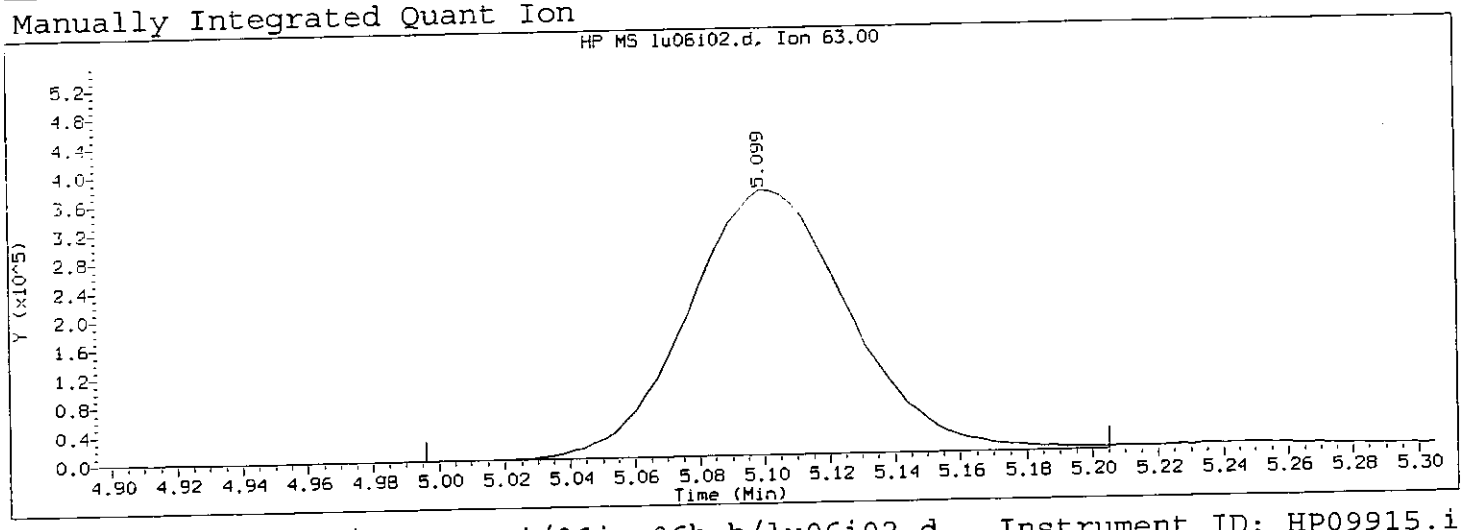
Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
142) 1,2,4-Trichlorobenzene	(3)	14.324	180	1062698	95.229
143) Hexachlorobutadiene	(3)	14.426	225	382587	90.508
144) Naphthalene	(3)	14.494	128	3391966	100.451
145) 1,2,3-Trichlorobenzene	(3)	14.648	180	1034087	97.996
51)$Dibromofluoromethane	(1)	6.636	113	688182	102.284
52)$Dibromofluoromethane(mz111)	(1)	6.639	111	702923	102.120
62)$1,2-Dichloroethane-d4	(1)	7.099	102	156140	102.764
61)$1,2-Dichloroethane-d4(mz104)	(1)	7.105	104	99015	102.867
89)$Toluene-d8	(2)	9.600	98	2608686	102.554
88)$Toluene-d8(mz100)	(2)	9.600	100	1648623	102.801
113)$4-Bromofluorobenzene	(2)	12.057	95	1126261	100.554
112)$4-Bromofluorobenzene(mz174)	(2)	12.060	174	904191	100.052

$ = Compound is a surrogate standard.

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP09915.i/06jun06b.b/lu06i02.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 17:25 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 18:12
Date, time and analyst ID of latest file update: 06-Jun-2006 18:12 keb01027

Sample Name: VSTD100 Lab Sample ID: VSTD100

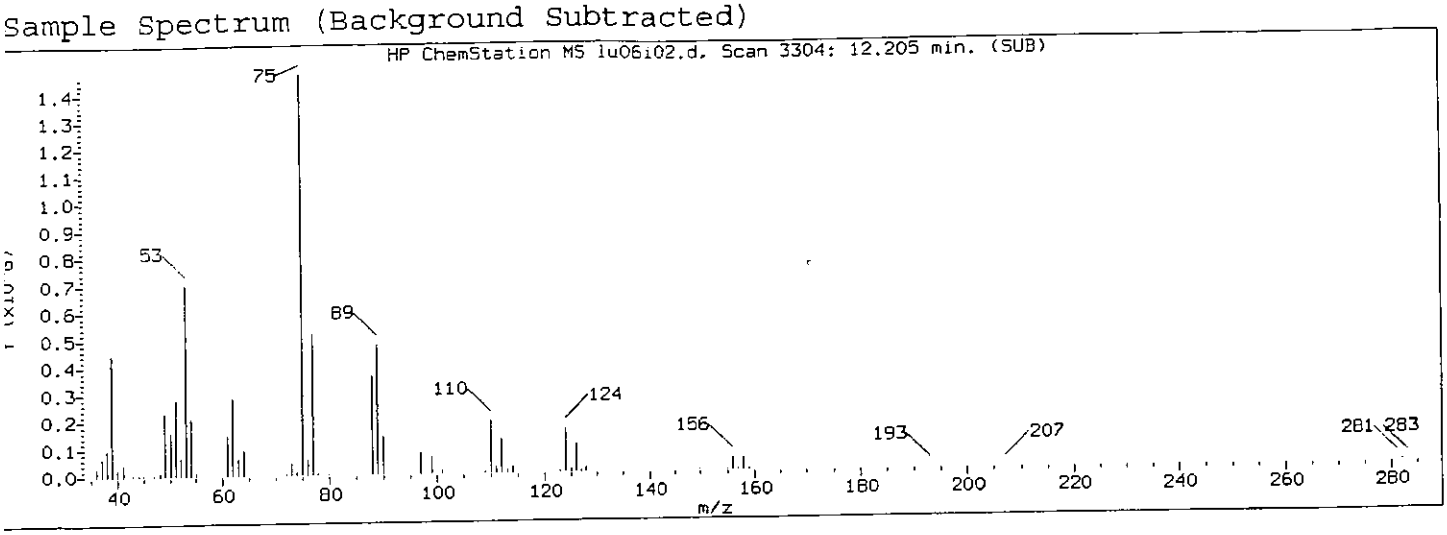
Compound Number	:	36
Compound Name	:	1,1-Dichloroethane
Scan Number	:	1094
Retention Time (minutes)	:	5.099
Quant Ion	:	63
Area (flag)	:	1271146 M
Concentration (ug/L)	:	99.0336
Integration start scan	:	1061 Integration stop scan: 1126
Y at integration start	:	0 Y at integration end: 0

Reason for manual integration (circle one): missed peak improper integration

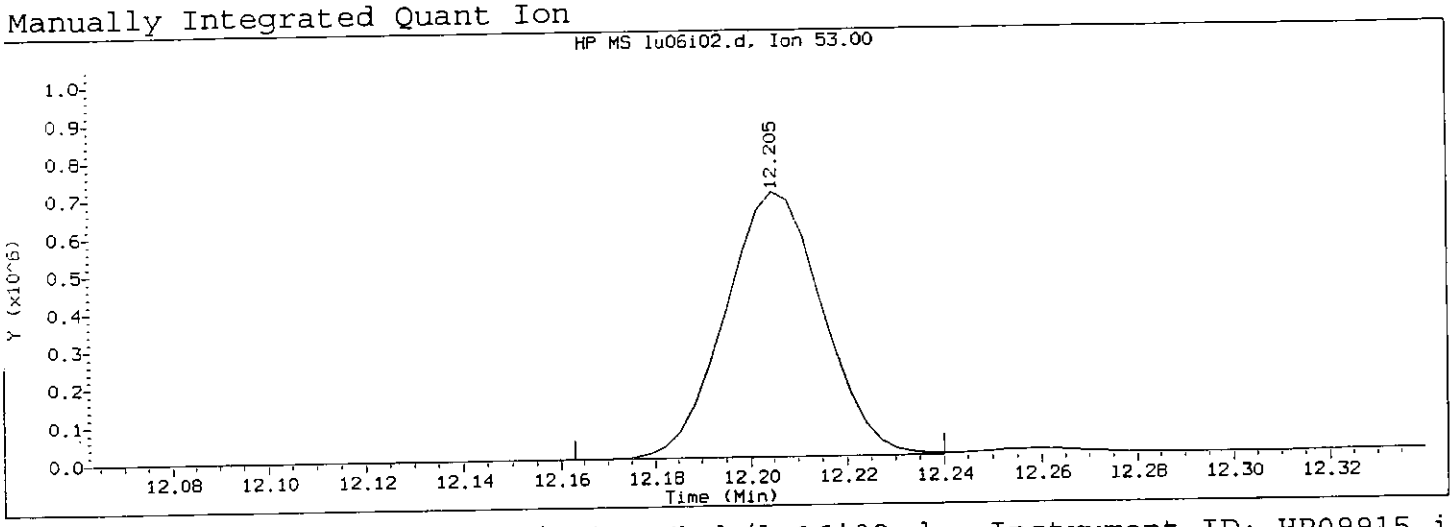
Analyst responsible for change: KEB1027 6/6/06 0155

GC/MS audit/management approval: [signature] 6/7/06

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP09915.i/06jun06b.b/lu06i02.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 17:25 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 18:12
Date, time and analyst ID of latest file update: 06-Jun-2006 18:12 keb01027

Sample Name: VSTD100 Lab Sample ID: VSTD100

Compound Number	:	118
Compound Name	:	trans-1,4-Dichloro-2-Butene
Scan Number	:	3304
Retention Time (minutes)	:	12.205
Quant Ion	:	53
Area (flag)	:	987308 M
Concentration (ug/L)	:	256.2147
Integration start scan	:	3290 Integration stop scan: 3314
Y at integration start	:	0 Y at integration end: 0

Reason for manual integration (circle one): missed peak improper integration

Analyst responsible for change: KEB01027 6/6/06

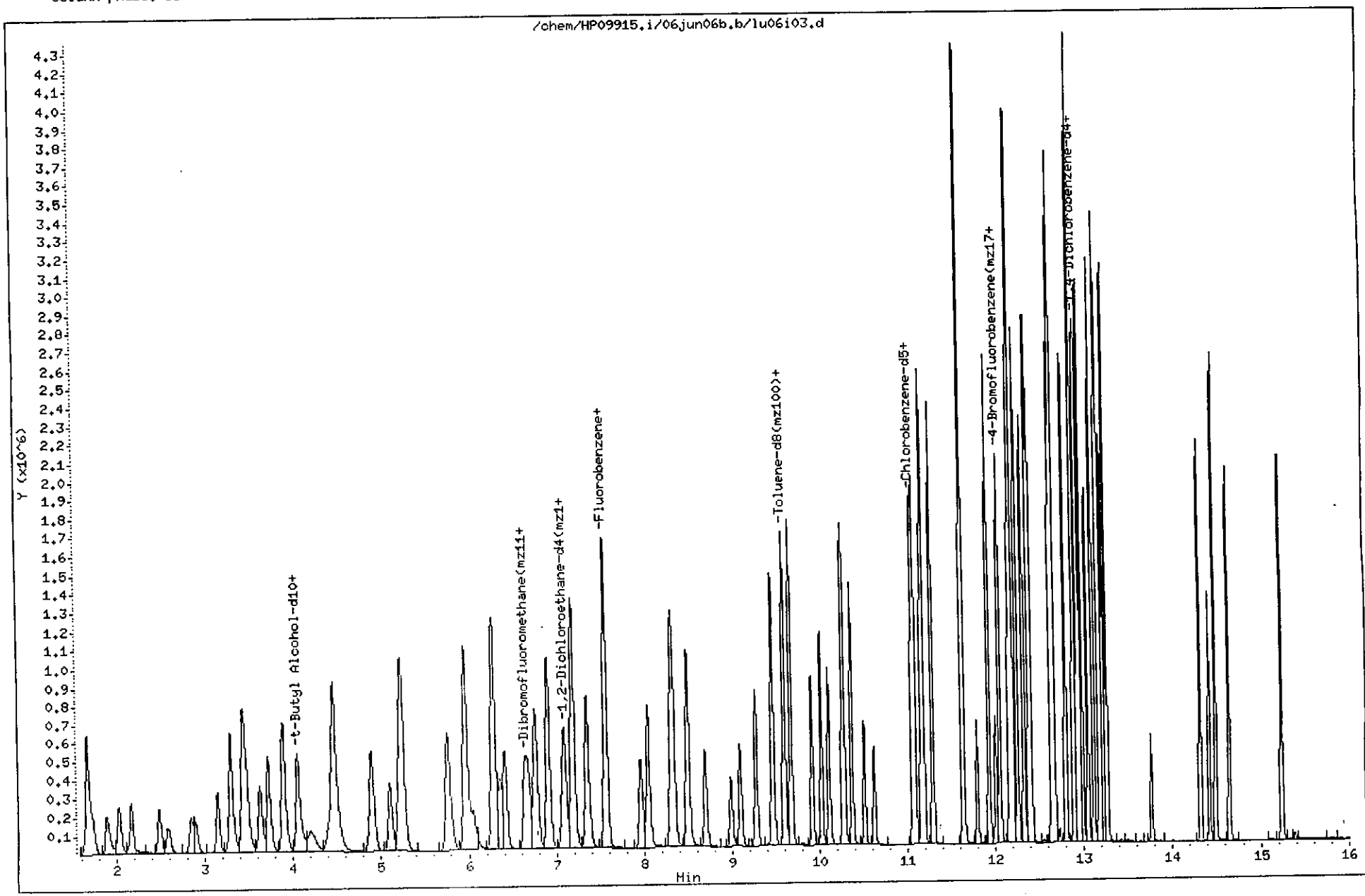
GC/MS audit/management approval: [signature] 6/7/06

Manual Integration Report for data file /chem/HP09915.i/06jun06b.b/lu06i02.d, generated on 06/06/2006 at 18:12

Data File: /chem/HP09915.i/06jun06b.b/1u06i03.d
Date : 06-JUN-2006 17:47
Client ID: VSTD050
Sample Info: VSTD050;VSTD050;1;1;;;
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP09915.i

Operator: KEB01027
Column diameter: 0.25



Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun06b.b/lu06i03.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 17:47 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 06-Jun-2006 18:12 keb01027

Sample Name: VSTD050 Lab Sample ID: VSTD050

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
1) Dichlorodifluoromethane	(1)	1.887	85	468237	50.962
2) Chloromethane	(1)	2.028	50	448948	51.237
3) Vinyl Chloride	(1)	2.167	62	404516	51.657
6) Bromomethane	(1)	2.482	94	257953	52.210
7) Chloroethane	(1)	2.585	64	212006	53.868
8) Trichlorofluoromethane	(1)	2.842	101	476738	50.961
10) Ethyl Ether	(1)	3.147	59	275103	51.711
15) Acrolein	(1)	3.295	56	956797	526.057
16) 1,1-Dichloroethene	(1)	3.433	96	294185	50.166
17) Freon 113	(1)	3.456	101	322470	51.045
18) Acetone	(1)	3.478	58	119852	104.759
20) Methyl Iodide	(1)	3.623	142	553778	50.864
21) 2-Propanol	(1)	3.639	45	202701	252.455
22) Carbon Disulfide	(1)	3.723	76	1103728	50.021
23) Allyl Chloride	(1)	3.890	41	659472	51.927
25) Methyl Acetate	(1)	3.906	43	456583	50.711
26) Methylene Chloride	(1)	4.054	84	346114	50.987
27)*t-Butyl Alcohol-d10	(4)	4.083	65	264534	250.000
28) t-Butyl Alcohol	(4)	4.199	59	301869	249.016
29) Acrylonitrile	(1)	4.398	53	225386	51.416
30) trans-1,2-Dichloroethene	(1)	4.466	96	328932	50.834
31) Methyl Tertiary Butyl Ether	(1)	4.469	73	1069763	49.969
33) n-Hexane	(1)	4.900	57	508813	50.934
40) 1,2-Dichloroethene (total)	(1)		96	679392	101.416
36) 1,1-Dichloroethane	(1)	5.102	63	637255	50.154
37) di-Isopropyl Ether	(1)	5.224	45	1325668	49.936
39) 2-Chloro-1,3-Butadiene	(1)	5.247	53	543210	49.636
41) Ethyl t-Butyl Ether	(1)	5.765	59	1100057	49.867
42) cis-1,2-Dichloroethene	(1)	5.957	96	350460	50.583
43) 2-Butanone	(1)	5.974	72	142851	101.037
44) 2,2-Dichloropropane	(1)	5.974	77	474697	50.053
45) Propionitrile	(1)	6.060	54	431620	246.750
46) Methacrylonitrile	(1)	6.276	67	523408	124.533
47) Bromochloromethane	(1)	6.295	128	187834	52.498

0152

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun06b.b/lu06i03.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 17:47 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 06-Jun-2006 18:12 keb01027

Sample Name: VSTD050 Lab Sample ID: VSTD050

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
48) Tetrahydrofuran	(1)	6.363	42	434981	101.587
49) Chloroform	(1)	6.417	83	584311	49.966
54) 1,1,1-Trichloroethane	(1)	6.681	97	504149	49.803
55) Cyclohexane	(1)	6.764	56	640666	50.195
58) 1,1-Dichloropropene	(1)	6.906	75	469061	50.528
59) Carbon Tetrachloride	(1)	6.916	117	452948	49.614
60) Isobutyl Alcohol	(1)	7.076	41	317146	597.400
63) Benzene	(1)	7.189	78	1378620	50.643
64) 1,2-Dichloroethane	(1)	7.202	62	529354	49.975
67) t-Amyl Methyl Ether	(1)	7.353	73	957806	49.217
69) n-Heptane	(1)	7.572	100	64922	51.125
70) *Fluorobenzene	(1)	7.562	96	1287617	50.000
72) n-Butanol	(1)	7.967	56	477346	1167.374
73) Trichloroethene	(1)	8.054	95	355645	50.420
77) 1,2-Dichloropropane	(1)	8.343	63	397871	49.907
74) Methylcyclohexane	(1)	8.317	83	561404	51.793
80) Methyl Methacrylate	(1)	8.507	69	357555	49.207
79) Dibromomethane	(1)	8.491	93	243294	49.308
81) 1,4-Dioxane	(1)	8.520	88	64642	610.249
82) Bromodichloromethane	(1)	8.700	83	448474	48.937
83) 2-Nitropropane	(1)	8.989	41	320362	99.634
84) 2-Chloroethyl Vinyl Ether	(1)	9.099	63	314292	49.454
85) cis-1,3-Dichloropropene	(1)	9.279	75	603300	49.089
87) 4-Methyl-2-Pentanone	(1)	9.469	43	1341931	100.340
90) Toluene	(2)	9.678	92	845052	51.154
91) trans-1,3-Dichloropropene	(2)	9.919	75	537469	49.074
92) Ethyl Methacrylate	(2)	10.025	69	605716	49.649
93) 1,1,2-Trichloroethane	(2)	10.112	97	322376	50.096
94) Tetrachloroethene	(2)	10.269	166	357650	51.380
95) 1,3-Dichloropropane	(2)	10.285	76	602235	51.156
96) 2-Hexanone	(2)	10.369	43	1027215	99.591
98) Dibromochloromethane	(2)	10.510	129	371683	48.941
100) 1,2-Dibromoethane	(2)	10.626	107	371240	49.863
101) *Chlorobenzene-d5	(2)	11.063	117	933726	50.000

0163

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun06b.b/lu06i03.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 17:47 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 06-Jun-2006 18:12 keb01027

Sample Name: VSTD050 Lab Sample ID: VSTD050

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
102) Chlorobenzene	(2)	11.089	112	958066	51.275
103) 1,1,1,2-Tetrachloroethane	(2)	11.160	131	337737	50.203
104) Ethylbenzene	(2)	11.186	91	1642790	52.045
105) m+p-Xylene	(2)	11.288	106	644781	51.594
106) Xylene (Total)	(2)		106	1263879	103.735
107) o-Xylene	(2)	11.632	106	619098	52.141
108) Styrene	(2)	11.639	104	1053519	51.527
109) Bromoform	(2)	11.796	173	289104	48.140
111) Isopropylbenzene	(2)	11.935	105	1563353	52.127
115) Cyclohexanone	(2)	12.009	55	310439	616.536
116) 1,1,2,2-Tetrachloroethane	(3)	12.163	83	559699	51.319
118) trans-1,4-Dichloro-2-Butene	(3)	12.205	53	497225	131.828
117) Bromobenzene	(3)	12.185	156	418492	51.977
119) 1,2,3-Trichloropropane	(3)	12.202	110	154433	52.262
120) n-Propylbenzene	(3)	12.259	120	447457M	52.852
122) 2-Chlorotoluene	(3)	12.333	126	393958	52.292
123) 1,3,5-Trimethylbenzene	(3)	12.388	120	654175	52.400
125) 4-Chlorotoluene	(3)	12.414	126	416128	52.736
126) tert-Butylbenzene	(3)	12.642	134	284795	52.258
127) Pentachloroethane	(3)	12.665	167	272849	51.220
128) 1,2,4-Trimethylbenzene	(3)	12.674	105	1382209	53.174
129) sec-Butylbenzene	(3)	12.803	134	323801	52.244
130) p-Isopropyltoluene	(3)	12.903	134	374528	51.930
131) 1,3-Dichlorobenzene	(3)	12.896	146	784921	52.086
132)*1,4-Dichlorobenzene-d4	(3)	12.941	152	526370	50.000
133) 1,4-Dichlorobenzene	(3)	12.957	146	817403	51.706
134) 1,2,3-Trimethylbenzene	(3)	12.989	120	643730	52.940
135) Benzyl Chloride	(3)	13.050	91	1152040	49.652
136) 1,3-Diethylbenzene	(3)	13.118	119	898280	53.421
137) 1,4-Diethylbenzene	(3)	13.179	119	934981	53.544
138) n-Butylbenzene	(3)	13.198	92	695209	53.045
139) 1,2-Dichlorobenzene	(3)	13.230	146	765583	51.442
140) 1,2-Diethylbenzene	(3)	13.266	119	756164	53.188
141) 1,2-Dibromo-3-Chloropropane	(3)	13.767	75	129392	48.924

M = Compound was manually integrated.

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun06b.b/lu06i03.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 17:47 Analyst ID: KEB01027

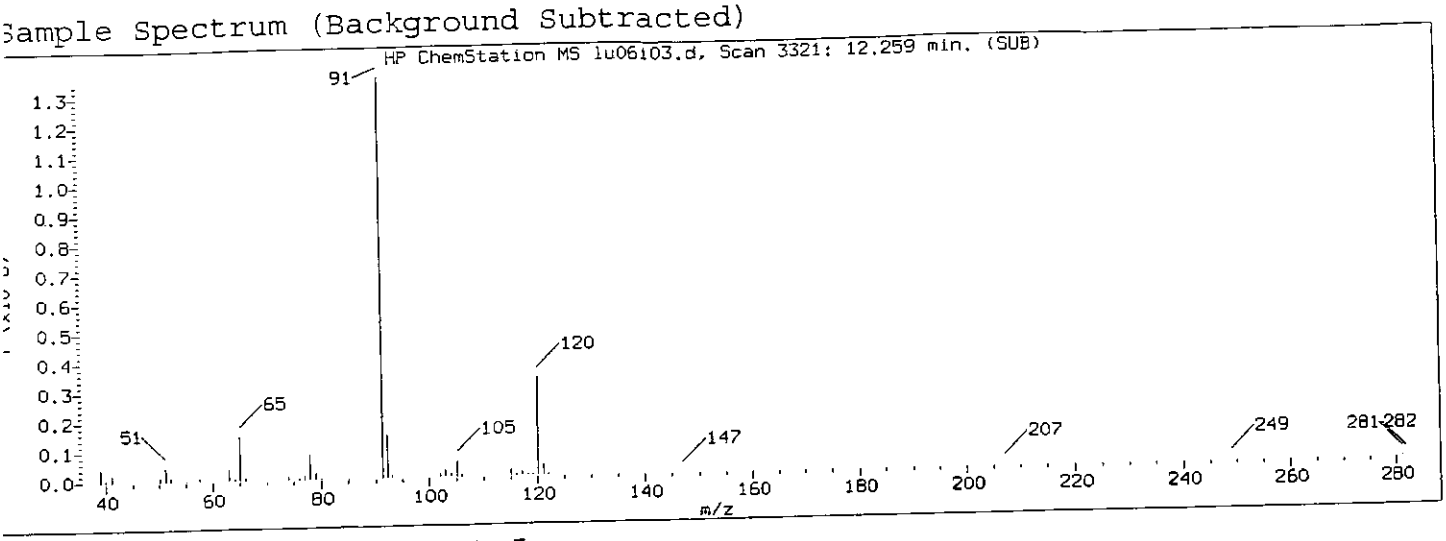
Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 06-Jun-2006 18:12 keb01027

Sample Name: VSTD050 Lab Sample ID: VSTD050

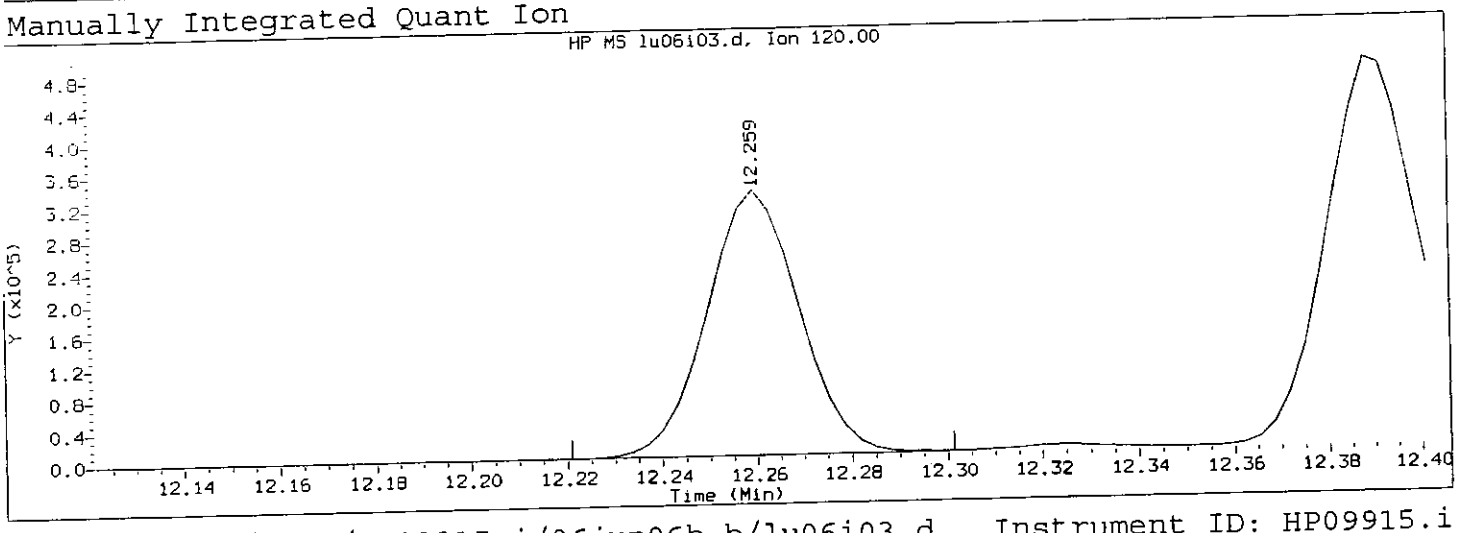
Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
142) 1,2,4-Trichlorobenzene	(3)	14.324	180	565440	51.767
143) Hexachlorobutadiene	(3)	14.423	225	220569	53.310
144) Naphthalene	(3)	14.494	128	1722484	52.115
145) 1,2,3-Trichlorobenzene	(3)	14.648	180	540210	52.302
51) $Dibromofluoromethane	(1)	6.642	113	351115	52.719
52) $Dibromofluoromethane(mz111)	(1)	6.639	111	359007	52.688
62) $1,2-Dichloroethane-d4	(1)	7.102	102	79029	52.544
61) $1,2-Dichloroethane-d4(mz104)	(1)	7.099	104	50150	52.633
89) $Toluene-d8	(2)	9.600	98	1356348	53.889
88) $Toluene-d8(mz100)	(2)	9.600	100	851512	53.662
113) $4-Bromofluorobenzene	(2)	12.057	95	642030	57.931
112) $4-Bromofluorobenzene(mz174)	(2)	12.060	174	514503	57.538

$ = Compound is a surrogate standard.

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP09915.i/06jun06b.b/lu06i03.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 17:47 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 18:12
Date, time and analyst ID of latest file update: 06-Jun-2006 18:12 keb01027

Sample Name: VSTD050 Lab Sample ID: VSTD050

Compound Number	:	120
Compound Name	:	n-Propylbenzene
Scan Number	:	3321
Retention Time (minutes)	:	12.259
Quant Ion	:	120
Area (flag)	:	447457 M
Concentration (ug/L)	:	52.8523
Integration start scan	:	3308 Integration stop scan: 3333
Y at integration start	:	0 Y at integration end: 0

Reason for manual integration (circle one): missed peak improper integration

Analyst responsible for change: KEB1027 6/6/06

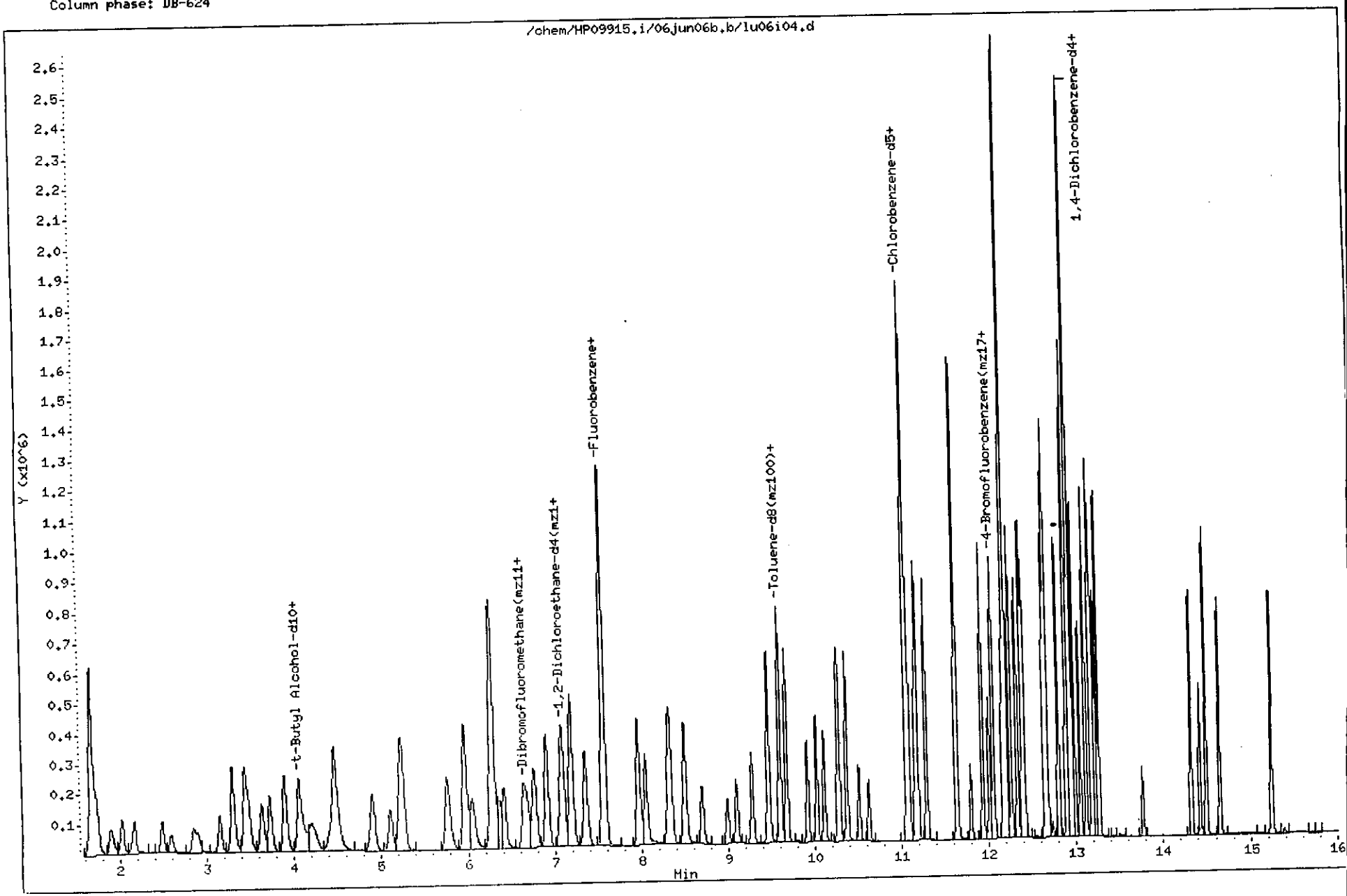
@166

GC/MS audit/management approval: [signature] 321, 6/7/06

Data File: /chem/HP09915.i/06jun06b.b/lu06i04.d
Date : 06-JUN-2006 18:10
Client ID: VSTD020
Sample Info: VSTD020;VSTD020;1;1;;;
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP09915.i

Operator: KEB01027
Column diameter: 0.25



Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun06b.b/lu06i04.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 18:10 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 06-Jun-2006 18:31 keb01027

Sample Name: VSTD020 Lab Sample ID: VSTD020

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
1) Dichlorodifluoromethane	(1)	1.887	85	184520	19.533
2) Chloromethane	(1)	2.019	50	183157	20.130
3) Vinyl Chloride	(1)	2.163	62	165106	20.260
6) Bromomethane	(1)	2.478	94	109475	21.021
7) Chloroethane	(1)	2.584	64	88204	21.198
8) Trichlorofluoromethane	(1)	2.845	101	191401	19.809
10) Ethyl Ether	(1)	3.147	59	104110	19.153
15) Acrolein	(1)	3.298	56	429006	220.038
16) 1,1-Dichloroethene	(1)	3.433	96	106440	18.078
17) Freon 113	(1)	3.462	101	112014	17.753
18) Acetone	(1)	3.491	58	46344M	39.317
20) Methyl Iodide	(1)	3.626	142	201199	18.331
21) 2-Propanol	(1)	3.642	45	164499	198.290
22) Carbon Disulfide	(1)	3.726	76	392870	17.810
23) Allyl Chloride	(1)	3.893	41	240195	18.661
25) Methyl Acetate	(1)	3.909	43	168079	18.474
26) Methylene Chloride	(1)	4.057	84	130221	18.864
27)*t-Butyl Alcohol-d10	(4)	4.089	65	275347	250.000
28) t-Butyl Alcohol	(4)	4.205	59	247619	197.169
29) Acrylonitrile	(1)	4.404	53	89654	19.803
30) trans-1,2-Dichloroethene	(1)	4.465	96	117758	18.115
31) Methyl Tertiary Butyl Ether	(1)	4.469	73	396904	18.377
33) n-Hexane	(1)	4.900	57	175850	17.653
40) 1,2-Dichloroethene (total)	(1)		96	245426	36.405
36) 1,1-Dichloroethane	(1)	5.105	63	231109	18.108
37) di-Isopropyl Ether	(1)	5.221	45	485952	18.197
39) 2-Chloro-1,3-Butadiene	(1)	5.247	53	188796	17.377
41) Ethyl t-Butyl Ether	(1)	5.764	59	402814	18.163
42) cis-1,2-Dichloroethene	(1)	5.961	96	127668	18.290
43) 2-Butanone	(1)	5.980	72	58722	40.063
44) 2,2-Dichloropropane	(1)	5.973	77	166703	17.633
45) Propionitrile	(1)	6.054	54	345777	193.002
46) Methacrylonitrile	(1)	6.279	67	408246	95.232
47) Bromochloromethane	(1)	6.295	128	68265	18.786

M = Compound was manually integrated.

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun06b.b/lu06i04.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 18:10 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 06-Jun-2006 18:31 keb01027

Sample Name: VSTD020 Lab Sample ID: VSTD020

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
48) Tetrahydrofuran	(1)	6.366	42	173558	39.336
49) Chloroform	(1)	6.420	83	215184	18.271
54) 1,1,1-Trichloroethane	(1)	6.684	97	181107	17.877
55) Cyclohexane	(1)	6.761	56	217583	17.216
58) 1,1-Dichloropropene	(1)	6.909	75	168945	18.116
59) Carbon Tetrachloride	(1)	6.919	117	161817	17.748
60) Isobutyl Alcohol	(1)	7.073	41	269875	492.929
63) Benzene	(1)	7.186	78	509157	18.502
64) 1,2-Dichloroethane	(1)	7.205	62	195836	18.337
67) t-Amyl Methyl Ether	(1)	7.353	73	354964	18.147
69) n-Heptane	(1)	7.568	100	23566	18.391
70)*Fluorobenzene	(1)	7.565	96	1334178	50.000
72) n-Butanol	(1)	7.964	56	405867	968.112
73) Trichloroethene	(1)	8.054	95	131268	18.430
77) 1,2-Dichloropropane	(1)	8.343	63	145310	18.137
74) Methylcyclohexane	(1)	8.317	83	192232	17.756
80) Methyl Methacrylate	(1)	8.507	69	134537	18.358
79) Dibromomethane	(1)	8.491	93	89905	18.132
81) 1,4-Dioxane	(1)	8.517	88	52648	484.600
82) Bromodichloromethane	(1)	8.700	83	161961	17.708
83) 2-Nitropropane	(1)	8.993	41	128086	38.822
84) 2-Chloroethyl Vinyl Ether	(1)	9.099	63	116372	18.202
85) cis-1,3-Dichloropropene	(1)	9.279	75	218916	17.817
87) 4-Methyl-2-Pentanone	(1)	9.472	43	585972	41.690
90) Toluene	(2)	9.681	92	312845	18.589
91) trans-1,3-Dichloropropene	(2)	9.919	75	195374	17.750
92) Ethyl Methacrylate	(2)	10.025	69	225274	18.231
93) 1,1,2-Trichloroethane	(2)	10.112	97	123731	18.807
94) Tetrachloroethene	(2)	10.269	166	127880	18.159
95) 1,3-Dichloropropane	(2)	10.285	76	228144	18.920
96) 2-Hexanone	(2)	10.372	43	457822	41.896
98) Dibromochloromethane	(2)	10.513	129	136083	17.812
100) 1,2-Dibromoethane	(2)	10.626	107	141065	18.596
101)*Chlorobenzene-d5	(2)	11.063	117	973594	50.000

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun06b.b/lu06i04.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 18:10 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 06-Jun-2006 18:31 keb01027

Sample Name: VSTD020 Lab Sample ID: VSTD020

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
102) Chlorobenzene	(2)	11.089	112	362686	18.944
103) 1,1,1,2-Tetrachloroethane	(2)	11.163	131	125284	18.351
104) Ethylbenzene	(2)	11.185	91	603369	18.723
105) m+p-Xylene	(2)	11.292	106	236699	18.591
106) Xylene (Total)	(2)		106	466191	37.473
107) o-Xylene	(2)	11.632	106	229492	18.882
108) Styrene	(2)	11.639	104	388169	18.625
109) Bromoform	(2)	11.800	173	106398	17.655
111) Isopropylbenzene	(2)	11.935	105	566134	18.543
115) Cyclohexanone	(2)	12.012	55	220602	437.645
116) 1,1,2,2-Tetrachloroethane	(3)	12.163	83	227240	20.083
118) trans-1,4-Dichloro-2-Butene	(3)	12.205	53	400602	101.876
117) Bromobenzene	(3)	12.185	156	159193	19.305
119) 1,2,3-Trichloropropane	(3)	12.201	110	62416	20.289
120) n-Propylbenzene	(3)	12.259	120	166443	19.222
122) 2-Chlorotoluene	(3)	12.333	126	147230	19.135
123) 1,3,5-Trimethylbenzene	(3)	12.391	120	241016	18.958
125) 4-Chlorotoluene	(3)	12.414	126	153330	19.052
126) tert-Butylbenzene	(3)	12.645	134	102932	18.643
127) Pentachloroethane	(3)	12.664	167	96006	17.981
128) 1,2,4-Trimethylbenzene	(3)	12.674	105	508779	19.157
129) sec-Butylbenzene	(3)	12.803	134	116829	18.614
130) p-Isopropyltoluene	(3)	12.902	134	138021	18.831
131) 1,3-Dichlorobenzene	(3)	12.896	146	293134	19.067
132)*1,4-Dichlorobenzene-d4	(3)	12.938	152	545338	50.000
133) 1,4-Dichlorobenzene	(3)	12.957	146	311947	19.276
134) 1,2,3-Trimethylbenzene	(3)	12.989	120	233016	18.851
135) Benzyl Chloride	(3)	13.050	91	431282	18.415
136) 1,3-Diethylbenzene	(3)	13.115	119	323686	18.916
137) 1,4-Diethylbenzene	(3)	13.179	119	337349	18.968
138) n-Butylbenzene	(3)	13.198	92	256345	19.147
139) 1,2-Dichlorobenzene	(3)	13.230	146	291074	19.146
140) 1,2-Diethylbenzene	(3)	13.266	119	272734	18.867
141) 1,2-Dibromo-3-Chloropropane	(3)	13.764	75	51697	19.138

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun06b.b/lu06i04.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 18:10 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 06-Jun-2006 18:31 keb01027

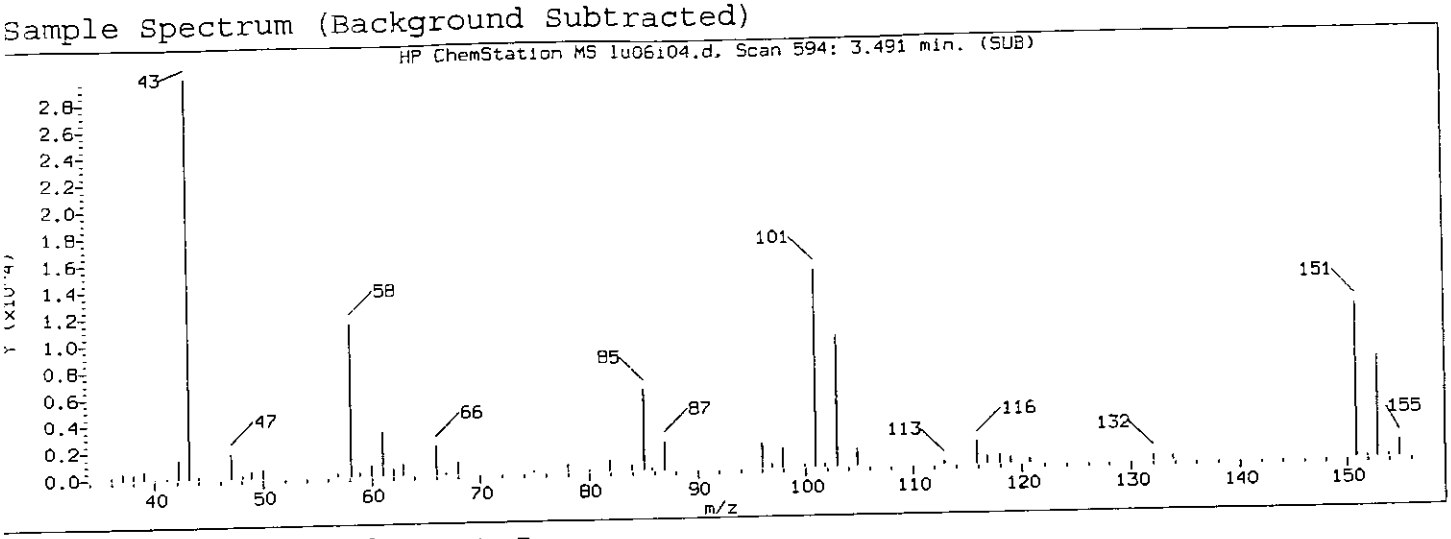
Sample Name: VSTD020 Lab Sample ID: VSTD020

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
142) 1,2,4-Trichlorobenzene	(3)	14.324	180	215535	19.276
143) Hexachlorobutadiene	(3)	14.423	225	83803	19.661
144) Naphthalene	(3)	14.494	128	672497	19.728
145) 1,2,3-Trichlorobenzene	(3)	14.652	180	211426	19.818
51)$Dibromofluoromethane	(1)	6.642	113	163834	22.680
52)$Dibromofluoromethane(mz111)	(1)	6.642	111	165833	22.507
62)$1,2-Dichloroethane-d4	(1)	7.105	102	36266M	22.357
61)$1,2-Dichloroethane-d4(mz104)	(1)	7.099	104	23085	22.434
89)$Toluene-d8	(2)	9.600	98	627769	22.803
88)$Toluene-d8(mz100)	(2)	9.600	100	397225	22.863
113)$4-Bromofluorobenzene	(2)	12.057	95	280937	23.068
112)$4-Bromofluorobenzene(mz174)	(2)	12.060	174	226518	23.057

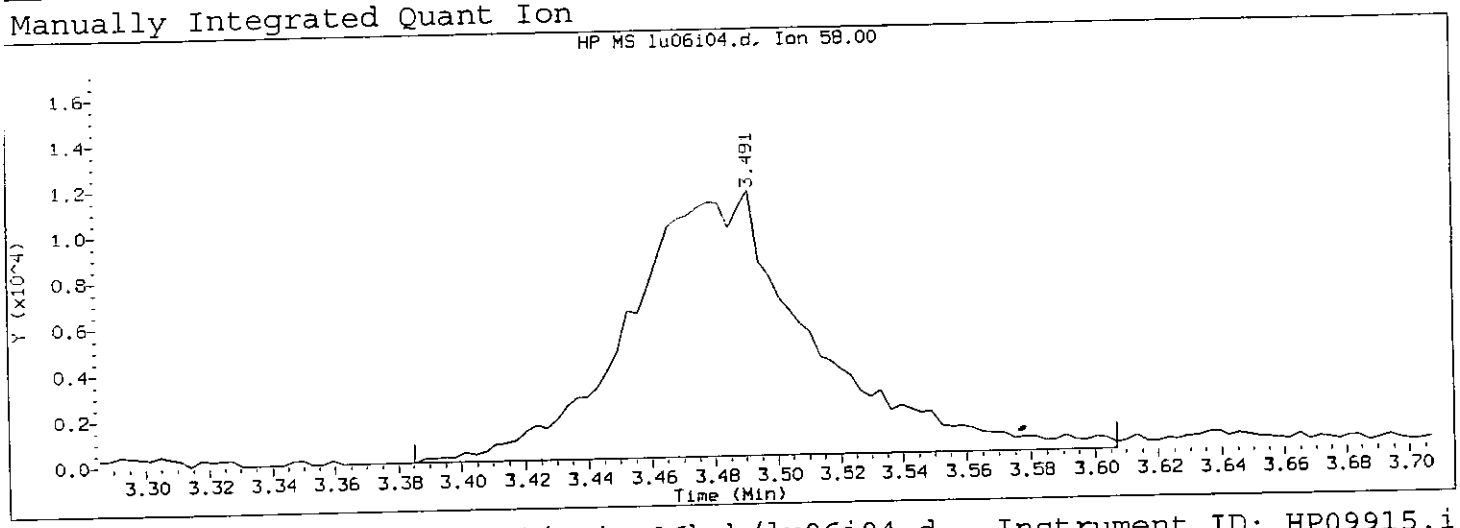
M = Compound was manually integrated.

$ = Compound is a surrogate standard.

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP09915.i/06jun06b.b/lu06i04.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 18:10 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 18:31
Date, time and analyst ID of latest file update: 06-Jun-2006 18:31 keb01027

Sample Name: VSTD020 Lab Sample ID: VSTD020

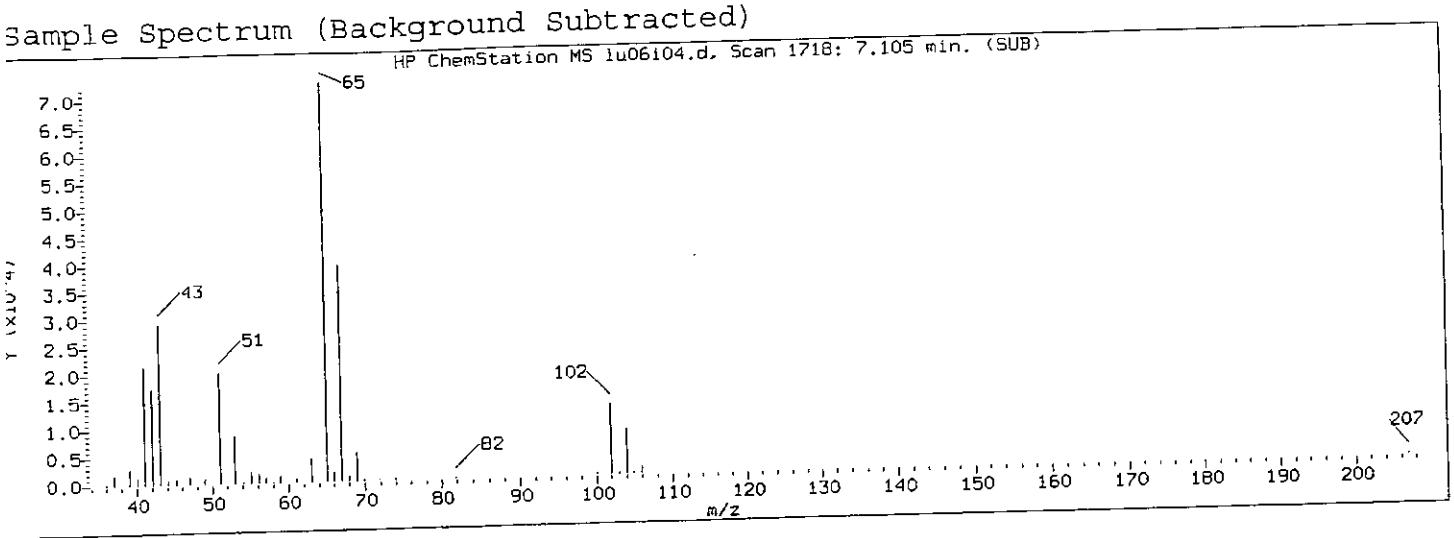
Compound Number	:	18
Compound Name	:	Acetone
Scan Number	:	594
Retention Time (minutes)	:	3.491
Quant Ion	:	58
Area (flag)	:	46344 M
Concentration (ug/L)	:	39.3169
Integration start scan	:	560 Integration stop scan: 629
Y at integration start	:	0 Y at integration end: 0

Reason for manual integration (circle one): missed peak improper integration

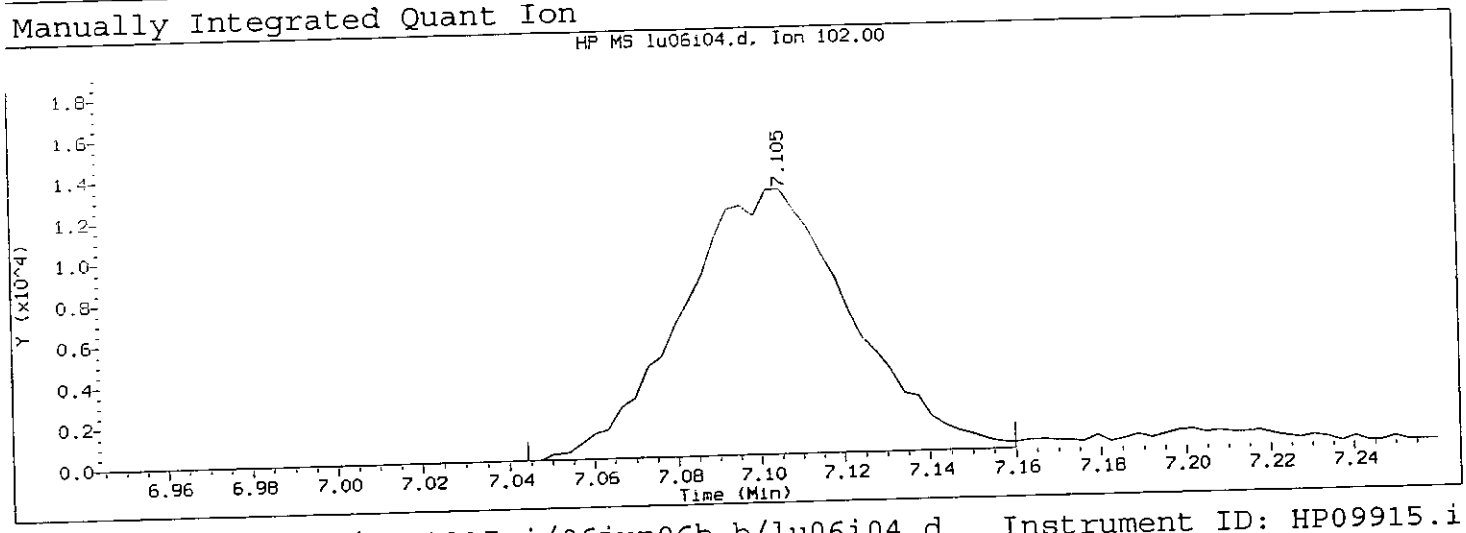
Analyst responsible for change: KEB01027 6/6/06

GC/MS audit/management approval: [signature] 6/7/06

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP09915.i/06jun06b.b/lu06i04.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 18:10 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 18:31
Date, time and analyst ID of latest file update: 06-Jun-2006 18:31 keb01027

Sample Name: VSTD020 Lab Sample ID: VSTD020

Compound Number	:	62
Compound Name	:	1,2-Dichloroethane-d4
Scan Number	:	1718
Retention Time (minutes)	:	7.105
Quant Ion	:	102
Area (flag)	:	36266 M
Concentration (ug/L)	:	22.3567
Integration start scan	:	1698 Integration stop scan: 1734
Y at integration start	:	0 Y at integration end: 0

Reason for manual integration (circle one): missed peak improper integration

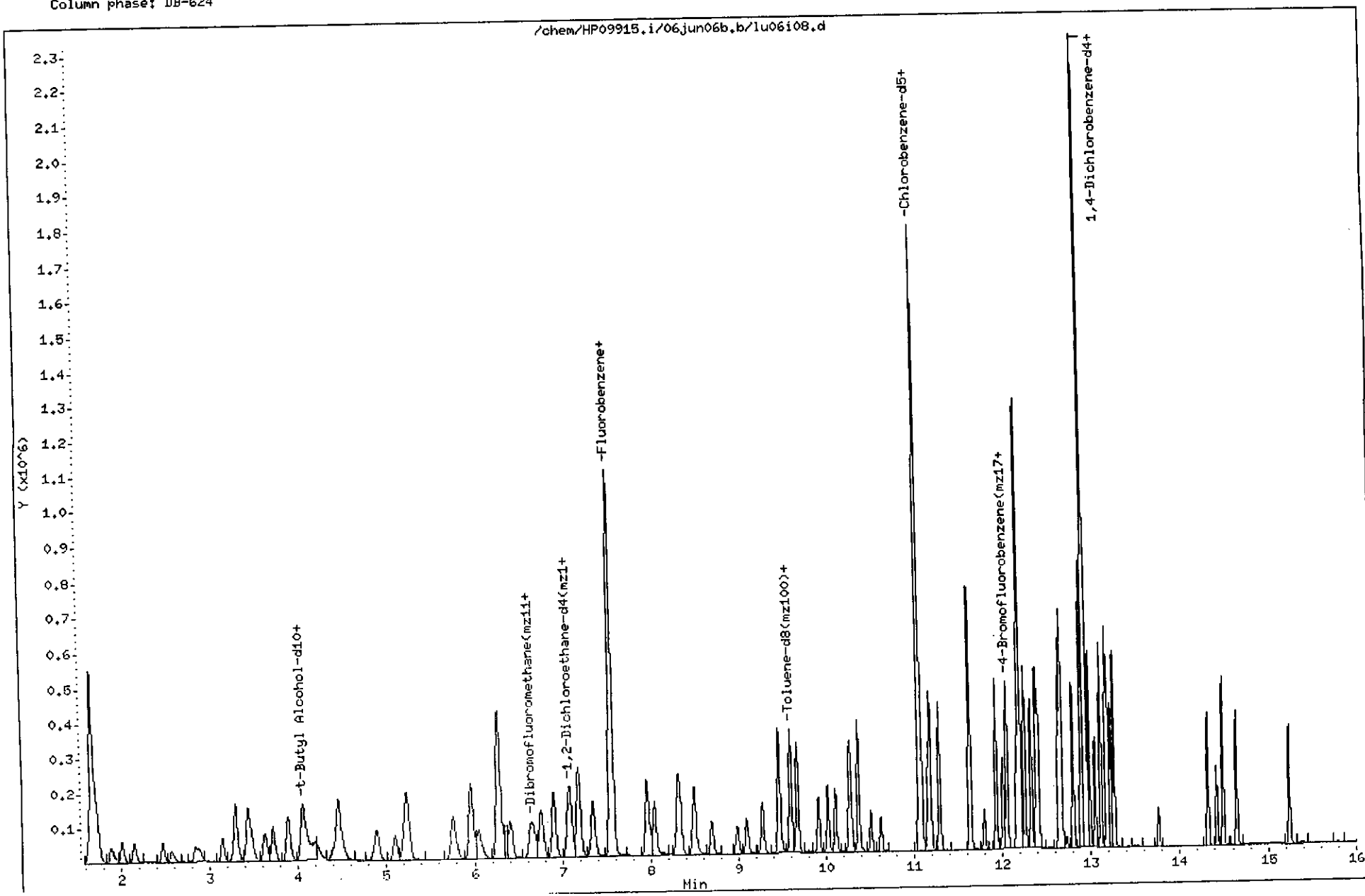
Analyst responsible for change: KEB1027 6/6/06
0173

GC/MS audit/management approval: [signature] 6/7/06

Data File: /chem/HP09915.i/06jun06b.b/lu06i08.d
Date : 06-JUN-2006 20:30
Client ID: VSTD010
Sample Info: VSTD010;VSTD010;1;1;;;
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP09915.i

Operator: KEB01027
Column diameter: 0.25



Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun06b.b/lu06i08.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 20:30 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 06-Jun-2006 20:53 keb01027

Sample Name: VSTD010 Lab Sample ID: VSTD010

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
1) Dichlorodifluoromethane	(1)	1.890	85	97594	10.695
2) Chloromethane	(1)	2.009	50	89166M	10.068
3) Vinyl Chloride	(1)	2.150	62	85066	10.543
6) Bromomethane	(1)	2.466	94	54020	10.302
7) Chloroethane	(1)	2.575	64	45306	10.711
8) Trichlorofluoromethane	(1)	2.835	101	99180	10.538
10) Ethyl Ether	(1)	3.147	59	55231	10.447
15) Acrolein	(1)	3.292	56	243715	121.748
16) 1,1-Dichloroethene	(1)	3.427	96	55816	9.776
17) Freon 113	(1)	3.446	101	56150	9.392
18) Acetone	(1)	3.475	58	24447	21.068
20) Methyl Iodide	(1)	3.626	142	103402	9.686
21) 2-Propanol	(1)	3.639	45	88746M	108.243
22) Carbon Disulfide	(1)	3.720	76	205744	9.721
23) Allyl Chloride	(1)	3.883	41	118013	9.607
25) Methyl Acetate	(1)	3.900	43	85794	9.746
26) Methylene Chloride	(1)	4.054	84	69878	9.996
27) *t-Butyl Alcohol-d10	(4)	4.076	65	268963	250.000
28) t-Butyl Alcohol	(4)	4.199	59	129371	105.417
29) Acrylonitrile	(1)	4.395	53	46855	10.484
30) trans-1,2-Dichloroethene	(1)	4.465	96	60720	9.692
31) Methyl Tertiary Butyl Ether	(1)	4.462	73	192677	9.380
33) n-Hexane	(1)	4.896	57	81798	8.666
40) 1,2-Dichloroethene (total)	(1)		96	124721	19.245
36) 1,1-Dichloroethane	(1)	5.099	63	118374	9.635
37) di-Isopropyl Ether	(1)	5.221	45	240721	9.534
39) 2-Chloro-1,3-Butadiene	(1)	5.247	53	93394	9.201
41) Ethyl t-Butyl Ether	(1)	5.761	59	192783	9.259
42) cis-1,2-Dichloroethene	(1)	5.961	96	64001	9.553
43) 2-Butanone	(1)	5.973	72	30766	21.514
44) 2,2-Dichloropropane	(1)	5.964	77	80710	9.093
45) Propionitrile	(1)	6.051	54	170132	98.931
46) Methacrylonitrile	(1)	6.279	67	203686	49.378
47) Bromochloromethane	(1)	6.295	128	34598	9.866

M = Compound was manually integrated.

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun06b.b/lu06i08.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 20:30 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 06-Jun-2006 20:53 keb01027

Sample Name: VSTD010 Lab Sample ID: VSTD010

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
48) Tetrahydrofuran	(1)	6.356	42	90771	21.124
49) Chloroform	(1)	6.414	83	108650	9.647
54) 1,1,1-Trichloroethane	(1)	6.681	97	89028	9.290
55) Cyclohexane	(1)	6.758	56	108326	9.143
58) 1,1-Dichloropropene	(1)	6.906	75	83897	9.456
59) Carbon Tetrachloride	(1)	6.909	117	78627	9.165
60) Isobutyl Alcohol	(1)	7.070	41	140170	267.880
63) Benzene	(1)	7.186	78	259610	9.775
64) 1,2-Dichloroethane	(1)	7.202	62	97285	9.545
67) t-Amyl Methyl Ether	(1)	7.350	73	169259	9.269
69) n-Heptane	(1)	7.568	100	11475	9.169
70) *Fluorobenzene	(1)	7.559	96	1301000	50.000
72) n-Butanol	(1)	7.970	56	206605	519.378
73) Trichloroethene	(1)	8.051	95	64559	9.459
77) 1,2-Dichloropropane	(1)	8.340	63	71135	9.381
74) Methylcyclohexane	(1)	8.311	83	96180	9.502
80) Methyl Methacrylate	(1)	8.504	69	63192	9.329
79) Dibromomethane	(1)	8.488	93	44810	9.492
81) 1,4-Dioxane	(1)	8.517	88	27435M	261.845
82) Bromodichloromethane	(1)	8.700	83	78148	9.192
83) 2-Nitropropane	(1)	8.996	41	64961	20.817
84) 2-Chloroethyl Vinyl Ether	(1)	9.099	63	54777	9.318
85) cis-1,3-Dichloropropene	(1)	9.279	75	104128	9.163
87) 4-Methyl-2-Pentanone	(1)	9.468	43	329086	23.761
90) Toluene	(2)	9.677	92	151894	9.502
91) trans-1,3-Dichloropropene	(2)	9.919	75	90487	9.014
92) Ethyl Methacrylate	(2)	10.028	69	101920	9.106
93) 1,1,2-Trichloroethane	(2)	10.115	97	60005	9.576
94) Tetrachloroethene	(2)	10.266	166	64847	9.434
95) 1,3-Dichloropropane	(2)	10.285	76	108584	9.493
96) 2-Hexanone	(2)	10.372	43	278086	25.527
98) Dibromochloromethane	(2)	10.513	129	63628	9.076
100) 1,2-Dibromoethane	(2)	10.626	107	66934	9.403
101) *Chlorobenzene-d5	(2)	11.063	117	946264	50.000

M = Compound was manually integrated.

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun06b.b/lu06i08.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 20:30 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 06-Jun-2006 20:53 keb01027

Sample Name: VSTD010 Lab Sample ID: VSTD010

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
102) Chlorobenzene	(2)	11.086	112	175468	9.562
103) 1,1,1,2-Tetrachloroethane	(2)	11.160	131	57999	9.137
104) Ethylbenzene	(2)	11.189	91	295994	9.597
105) m+p-Xylene	(2)	11.292	106	114884	9.501
106) Xylene (Total)	(2)		106	224301	18.974
107) o-Xylene	(2)	11.632	106	109417	9.473
108) Styrene	(2)	11.642	104	182329	9.409
109) Bromoform	(2)	11.800	173	47291	8.709
111) Isopropylbenzene	(2)	11.935	105	277424	9.499
115) Cyclohexanone	(2)	12.012	55	117084	244.548
116) 1,1,2,2-Tetrachloroethane	(3)	12.163	83	106015	9.829
118) trans-1,4-Dichloro-2-Butene	(3)	12.205	53	195559	51.310
117) Bromobenzene	(3)	12.182	156	75011	9.473
119) 1,2,3-Trichloropropane	(3)	12.201	110	29075	9.828
120) n-Propylbenzene	(3)	12.259	120	81136	9.587
122) 2-Chlorotoluene	(3)	12.333	126	72390	9.729
123) 1,3,5-Trimethylbenzene	(3)	12.388	120	116832	9.522
125) 4-Chlorotoluene	(3)	12.414	126	76897	9.796
126) tert-Butylbenzene	(3)	12.642	134	49640	9.300
127) Pentachloroethane	(3)	12.664	167	46875	9.369
128) 1,2,4-Trimethylbenzene	(3)	12.674	105	249399	9.685
129) sec-Butylbenzene	(3)	12.803	134	55241	9.128
130) p-Isopropyltoluene	(3)	12.902	134	63670	8.995
131) 1,3-Dichlorobenzene	(3)	12.893	146	145726	9.744
132) *1,4-Dichlorobenzene-d4	(3)	12.941	152	531981	50.000
133) 1,4-Dichlorobenzene	(3)	12.957	146	154504	9.791
134) 1,2,3-Trimethylbenzene	(3)	12.989	120	116279	9.825
135) Benzyl Chloride	(3)	13.050	91	189131	8.948
136) 1,3-Diethylbenzene	(3)	13.115	119	161914	9.881
137) 1,4-Diethylbenzene	(3)	13.179	119	168890	9.869
138) n-Butylbenzene	(3)	13.198	92	123780	9.417
139) 1,2-Dichlorobenzene	(3)	13.230	146	144698	9.800
140) 1,2-Diethylbenzene	(3)	13.266	119	136339	9.835
141) 1,2-Dibromo-3-Chloropropane	(3)	13.767	75	23768	9.470

8177

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun06b.b/lu06i08.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 20:30 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 06-Jun-2006 20:53 keb01027

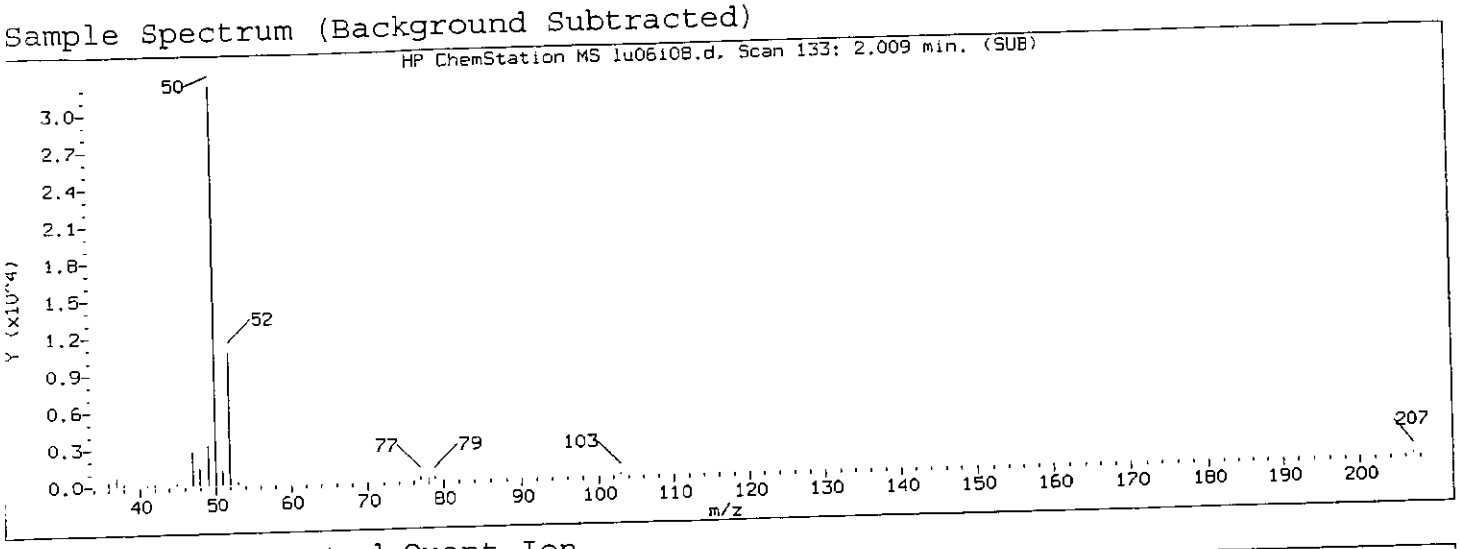
Sample Name: VSTD010 Lab Sample ID: VSTD010

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
142) 1,2,4-Trichlorobenzene	(3)	14.327	180	99891	9.212
143) Hexachlorobutadiene	(3)	14.423	225	37794	8.989
144) Naphthalene	(3)	14.497	128	322701	9.904
145) 1,2,3-Trichlorobenzene	(3)	14.648	180	100483	9.582
51) $Dibromofluoromethane	(1)	6.642	113	70991	9.906
52) $Dibromofluoromethane(mz111)	(1)	6.639	111	73490	10.045
62) $1,2-Dichloroethane-d4	(1)	7.105	102	17151M	10.465
61) $1,2-Dichloroethane-d4(mz104)	(1)	7.099	104	10822	10.444
89) $Toluene-d8	(2)	9.604	98	280896	10.236
88) $Toluene-d8(mz100)	(2)	9.600	100	176669	10.232
113) $4-Bromofluorobenzene	(2)	12.057	95	142967	11.703
112) $4-Bromofluorobenzene(mz174)	(2)	12.057	174	114964	11.610

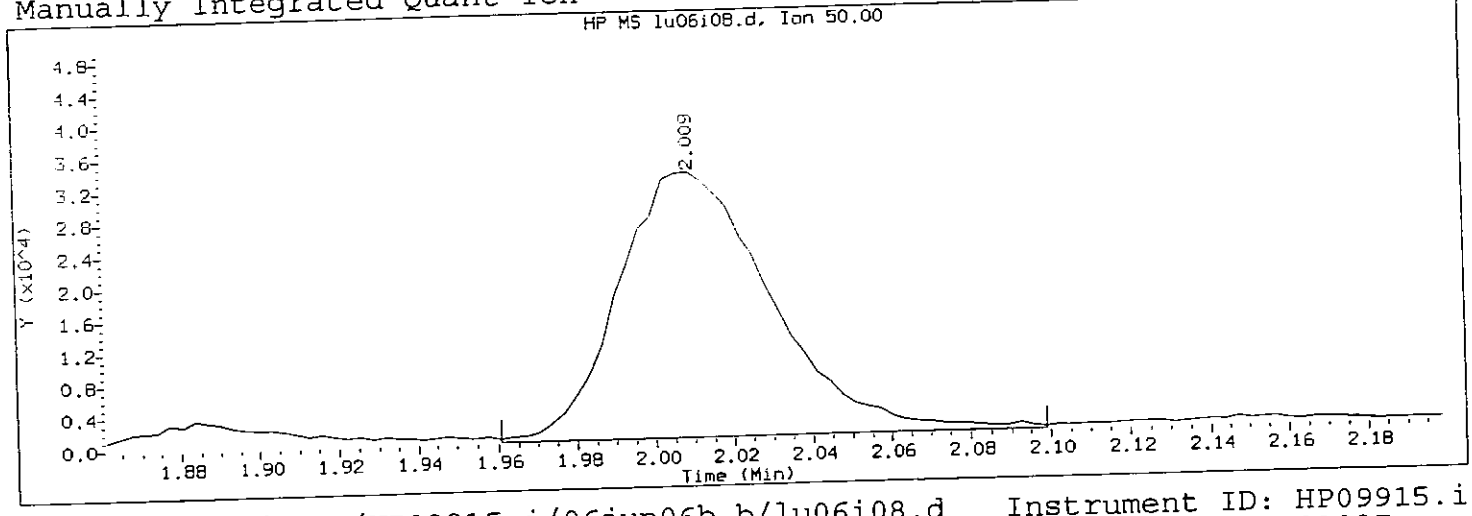
M = Compound was manually integrated.

$ = Compound is a surrogate standard.

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP09915.i/06jun06b.b/lu06i08.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 20:30 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 20:53
Date, time and analyst ID of latest file update: 06-Jun-2006 20:53 keb01027

Sample Name: VSTD010 Lab Sample ID: VSTD010

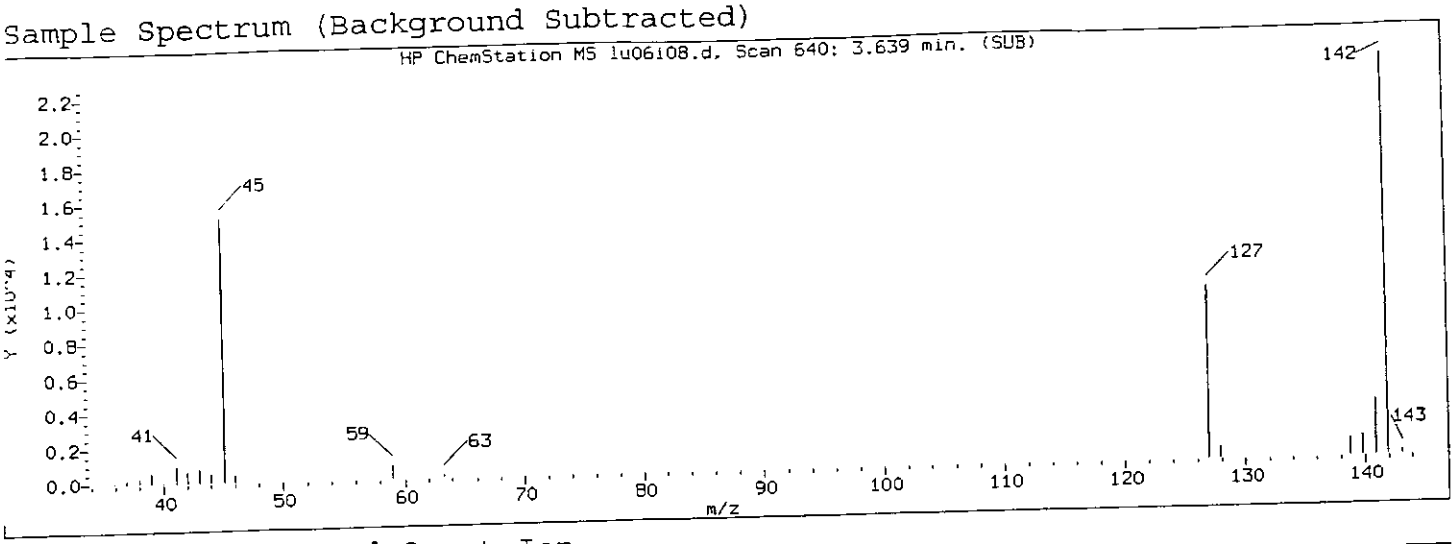
Compound Number	:	2
Compound Name	:	Chloromethane
Scan Number	:	133
Retention Time (minutes)	:	2.009
Quant Ion	:	50
Area (flag)	:	89166 M
Concentration (ug/L)	:	10.0684
Integration start scan	:	117 Integration stop scan: 160
Y at integration start	:	0 Y at integration end: 0

Reason for manual integration (circle one): missed peak improper integration

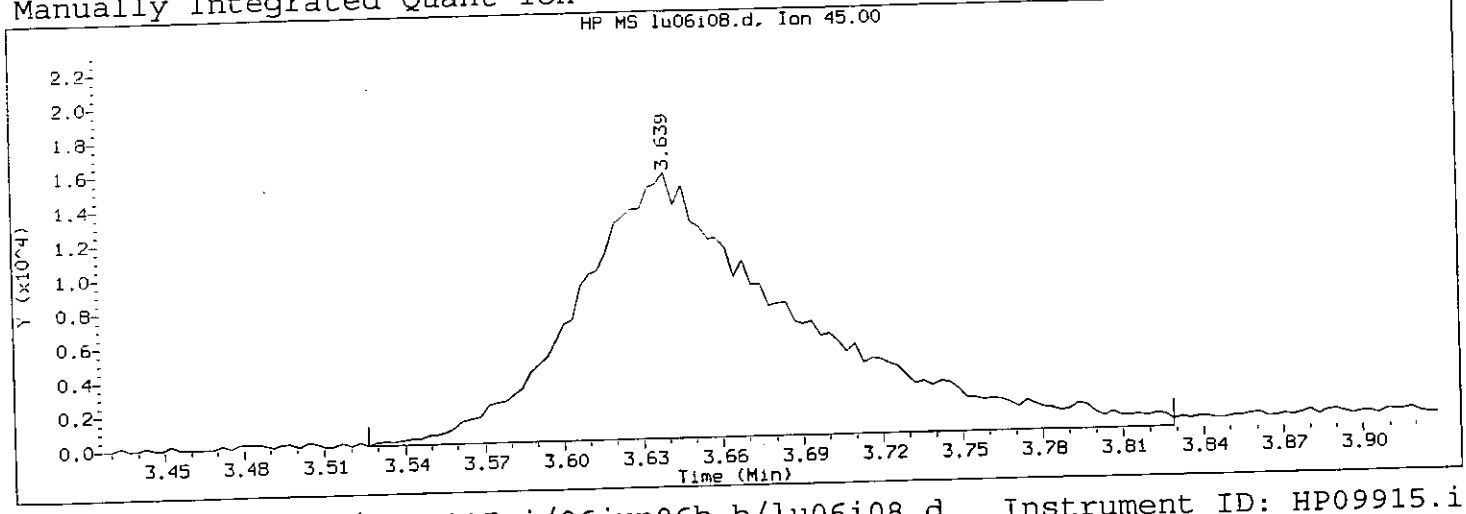
Analyst responsible for change: KEB01027 6/6/06

GC/MS audit/management approval: [signature] 6/7/06

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP09915.i/06jun06b.b/lu06i08.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 20:30 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 20:53
Date, time and analyst ID of latest file update: 06-Jun-2006 20:53 keb01027

Sample Name: VSTD010 Lab Sample ID: VSTD010

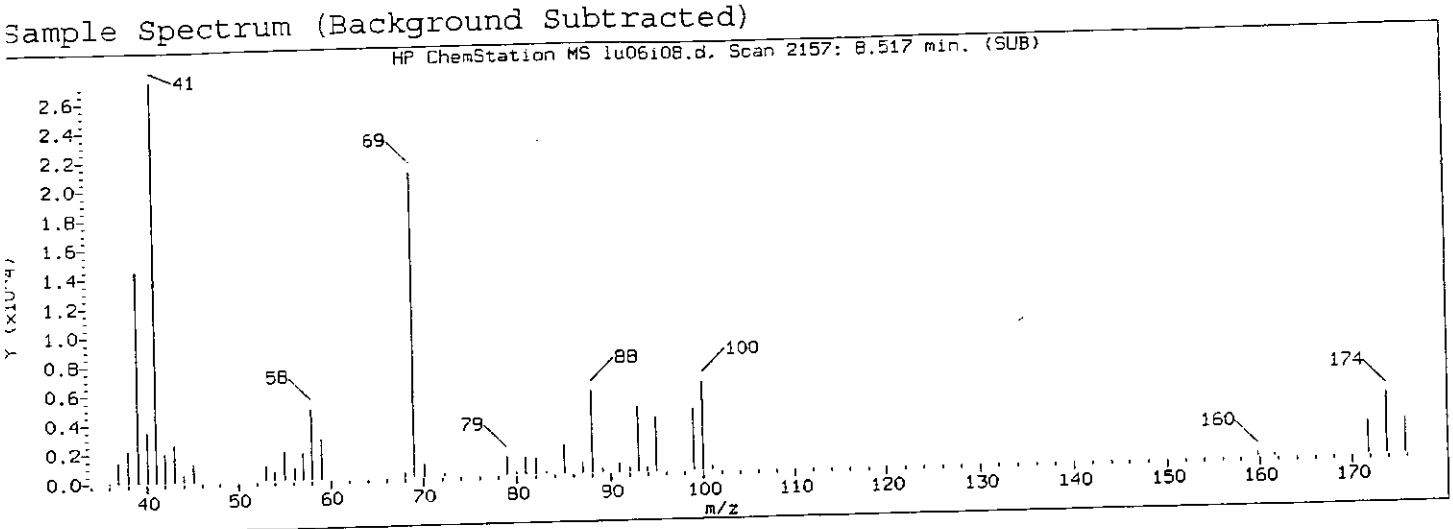
Compound Number	: 21
Compound Name	: 2-Propanol
Scan Number	: 640
Retention Time (minutes)	: 3.639
Quant Ion	: 45
Area (flag)	: 88746 M
Concentration (ug/L)	: 108.2432
Integration start scan	: 604 Integration stop scan: 698
Y at integration start	: 0 Y at integration end: 9

Reason for manual integration (circle one): missed peak improper integration

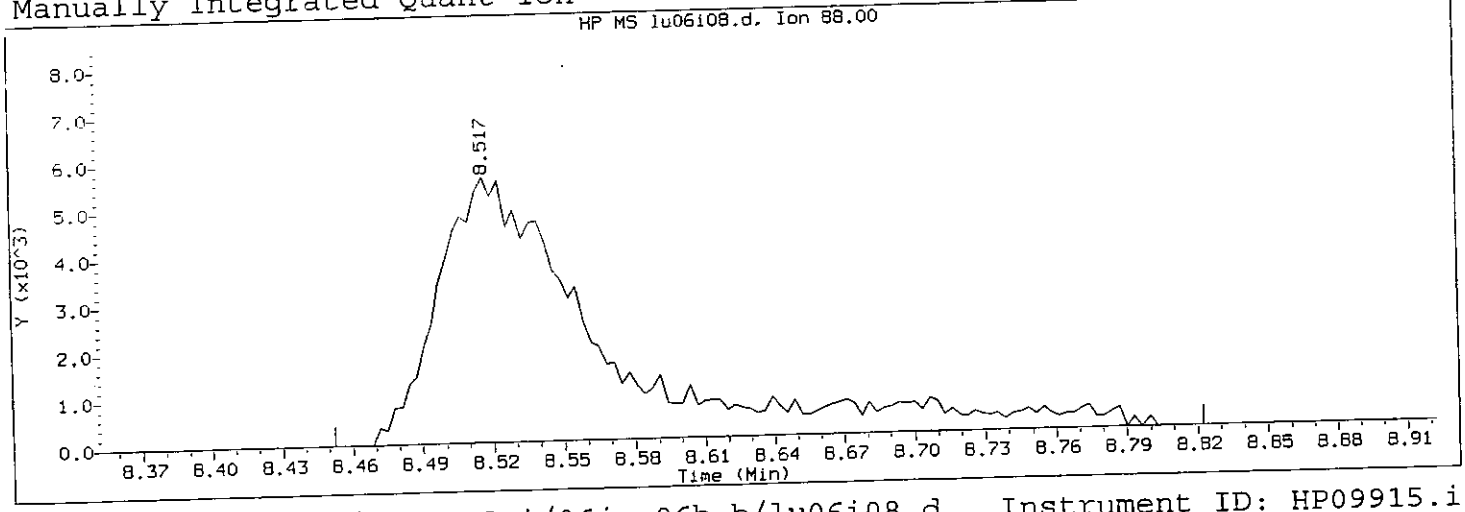
Analyst responsible for change: KEB1027 6/6/06

GC/MS audit/management approval: [signature], 6/7/06

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP09915.i/06jun06b.b/lu06i08.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 20:30 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 20:53
Date, time and analyst ID of latest file update: 06-Jun-2006 20:53 keb01027

Sample Name: VSTD010 Lab Sample ID: VSTD010

Compound Number	: 81
Compound Name	: 1,4-Dioxane
Scan Number	: 2157
Retention Time (minutes)	: 8.517
Quant Ion	: 88
Area (flag)	: 27435 M
Concentration (ug/L)	: 261.8446
Integration start scan	: 2136 Integration stop scan: 2251
Y at integration start	: 0 Y at integration end: 0

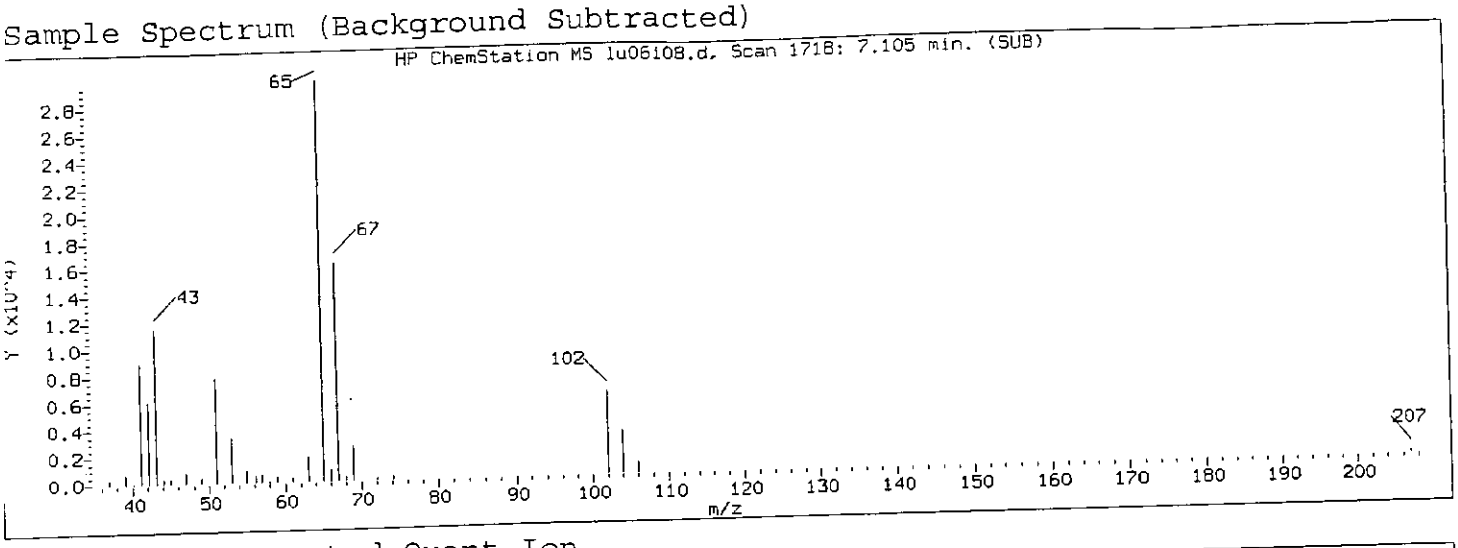
Reason for manual integration (circle one): missed peak improper integration

Analyst responsible for change: KEB1027 6/6/06

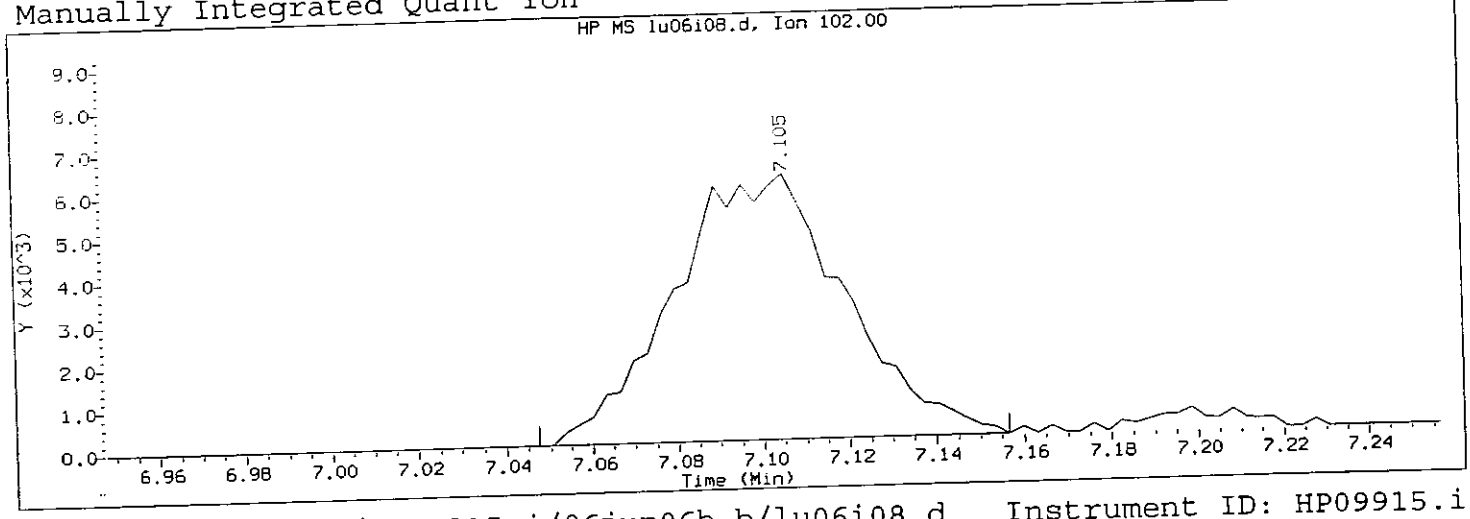
GC/MS audit/management approval: [illegible] 6/7/06

Manual Integration Report for data file /chem/HP09915.i/06jun06b.b/lu06i08.d, generated on 06/06/2006 at 20:53

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP09915.i/06jun06b.b/lu06i08.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 20:30 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 20:53
Date, time and analyst ID of latest file update: 06-Jun-2006 20:53 keb01027

Sample Name: VSTD010 Lab Sample ID: VSTD010

Compound Number	:	62
Compound Name	:	1,2-Dichloroethane-d4
Scan Number	:	1718
Retention Time (minutes)	:	7.105
Quant Ion	:	102
Area (flag)	:	17151 M
Concentration (ug/L)	:	10.4653
Integration start scan	:	1699 Integration stop scan: 1733
Y at integration start	:	0 Y at integration end: 0

Reason for manual integration (circle one): missed peak improper integration

Analyst responsible for change: KEB1027 6/6/06

GC/MS audit/management approval: [signature] 6/7/06

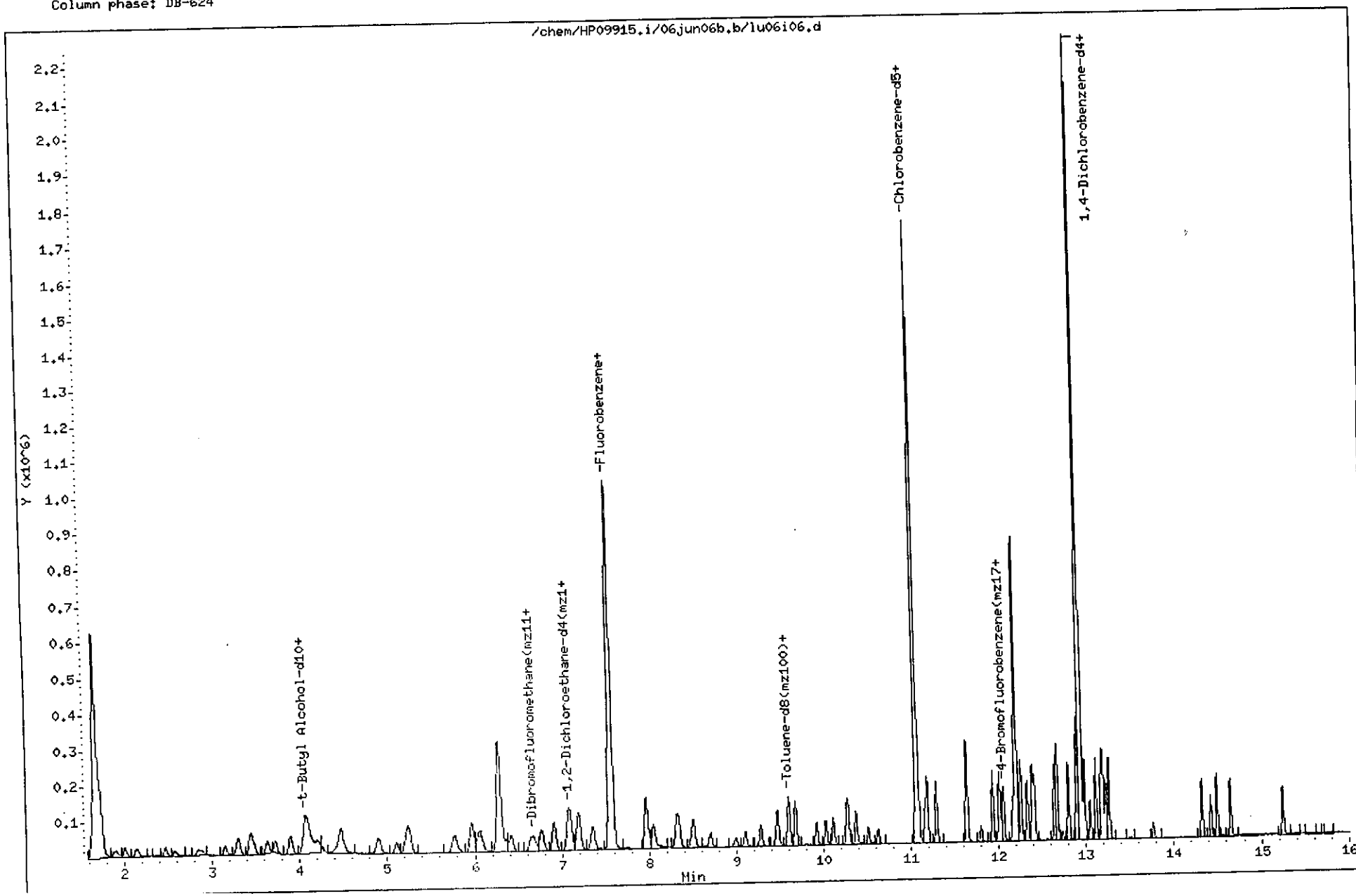
Data File: /chem/HP09915.i/06jun06b.b/lu06i06.d
Date : 06-JUN-2006 18:55
Client ID: VSTD004
Sample Info: VSTD004;VSTD004;1;1;;;
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP09915.i

Operator: KEB01027
Column diameter: 0.25

KEB1027 6/7/06

e1103



Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun06b.b/lu06i06.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 18:55 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 07-Jun-2006 16:03 keb01027

Sample Name: VSTD004 Lab Sample ID: VSTD004

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
1) Dichlorodifluoromethane	(1)	1.890	85	35056	3.953
2) Chloromethane	(1)	2.006	50	35156	4.084
3) Vinyl Chloride	(1)	2.144	62	32465	4.140
6) Bromomethane	(1)	2.469	94	21768	4.271
7) Chloroethane	(1)	2.578	64	17662	4.296
8) Trichlorofluoromethane	(1)	2.845	101	37032	4.048
10) Ethyl Ether	(1)	3.147	59	20860	4.060
15) Acrolein	(1)	3.292	56	71273	36.634
16) 1,1-Dichloroethene	(1)	3.437	96	22194	4.000
17) Freon 113	(1)	3.456	101	22266	3.832
18) Acetone	(1)	3.469	58	8840M	7.838
20) Methyl Iodide	(1)	3.630	142	40058	3.861
21) 2-Propanol	(1)	3.633	45	62409	78.320
22) Carbon Disulfide	(1)	3.723	76	79374	3.859
23) Allyl Chloride	(1)	3.887	41	48631	4.073
25) Methyl Acetate	(1)	3.903	43	37050	4.331
26) Methylene Chloride	(1)	4.057	84	30779	4.530
27) *t-Butyl Alcohol-d10	(4)	4.080	65	250616	250.000
28) t-Butyl Alcohol	(4)	4.199	59	88930	77.769
29) Acrylonitrile	(1)	4.401	53	17405	4.007
30) trans-1,2-Dichloroethene	(1)	4.472	96	23575	3.872
31) Methyl Tertiary Butyl Ether	(1)	4.472	73	75922	3.803
33) n-Hexane	(1)	4.893	57	38289	4.174
40) 1,2-Dichloroethene (total)	(1)		96	48669	7.726
36) 1,1-Dichloroethane	(1)	5.105	63	47414	3.971
37) di-Isopropyl Ether	(1)	5.221	45	92353	3.763
39) 2-Chloro-1,3-Butadiene	(1)	5.250	53	36687	3.719
41) Ethyl t-Butyl Ether	(1)	5.771	59	74306	3.672
42) cis-1,2-Dichloroethene	(1)	5.967	96	25094	3.854
43) 2-Butanone	(1)	5.967	72	10141	7.296
44) 2,2-Dichloropropane	(1)	5.964	77	32094	3.720
45) Propionitrile	(1)	6.067	54	130380	78.007
46) Methacrylonitrile	(1)	6.279	67	157260	39.225
47) Bromochloromethane	(1)	6.295	128	13524	3.968

M = Compound was manually integrated.

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun06b.b/lu06i06.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 18:55 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 07-Jun-2006 16:03 keb01027

Sample Name: VSTD004 Lab Sample ID: VSTD004

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
48) Tetrahydrofuran	(1)	6.363	42	31583	7.562
49) Chloroform	(1)	6.420	83	42150	3.851
54) 1,1,1-Trichloroethane	(1)	6.681	97	35506	3.812
55) Cyclohexane	(1)	6.768	56	44439	3.859
58) 1,1-Dichloropropene	(1)	6.912	75	33498	3.885
59) Carbon Tetrachloride	(1)	6.909	117	31452	3.772
60) Isobutyl Alcohol	(1)	7.080	41	91671	180.257
63) Benzene	(1)	7.183	78	101309	3.925
64) 1,2-Dichloroethane	(1)	7.202	62	38827	3.920
67) t-Amyl Methyl Ether	(1)	7.359	73	63456	3.575
69) n-Heptane	(1)	7.568	100	5404	4.443
70) *Fluorobenzene	(1)	7.562	96	1264451	50.000
72) n-Butanol	(1)	7.967	56	136573	353.251
73) Trichloroethene	(1)	8.051	95	26166	3.945
77) 1,2-Dichloropropane	(1)	8.343	63	28200	3.827
74) Methylcyclohexane	(1)	8.321	83	36836	3.744
80) Methyl Methacrylate	(1)	8.507	69	22873	3.474
79) Dibromomethane	(1)	8.488	93	17676	3.852
81) 1,4-Dioxane	(1)	8.517	88	19250	189.036
82) Bromodichloromethane	(1)	8.703	83	29518	3.572
83) 2-Nitropropane	(1)	8.996	41	20341	6.707
84) 2-Chloroethyl Vinyl Ether	(1)	9.099	63	20365	3.564
85) cis-1,3-Dichloropropene	(1)	9.276	75	38636	3.498
87) 4-Methyl-2-Pentanone	(1)	9.472	43	92436	6.867
90) Toluene	(2)	9.681	92	59393	3.822
91) trans-1,3-Dichloropropene	(2)	9.919	75	33385	3.422
92) Ethyl Methacrylate	(2)	10.025	69	35493	3.262
93) 1,1,2-Trichloroethane	(2)	10.108	97	23352	3.834
94) Tetrachloroethene	(2)	10.269	166	27558	4.125
95) 1,3-Dichloropropane	(2)	10.282	76	42770	3.847
96) 2-Hexanone	(2)	10.375	43	69463	8.459
98) Dibromochloromethane	(2)	10.514	129	23086	3.388
100) 1,2-Dibromoethane	(2)	10.623	107	25408	3.672
101) *Chlorobenzene-d5	(2)	11.063	117	919754	50.000

0185

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun06b.b/lu06i06.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 18:55 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 07-Jun-2006 16:03 keb01027

Sample Name: VSTD004 Lab Sample ID: VSTD004

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
102) Chlorobenzene	(2)	11.089	112	69617	3.903
103) 1,1,1,2-Tetrachloroethane	(2)	11.160	131	22094	3.581
104) Ethylbenzene	(2)	11.189	91	117321	3.914
105) m+p-Xylene	(2)	11.292	106	44552	3.791
106) Xylene (Total)	(2)		106	87106	7.581
107) o-Xylene	(2)	11.633	106	42554	3.790
108) Styrene	(2)	11.639	104	65244	3.464
109) Bromoform	(2)	11.796	173	16783	3.180
111) Isopropylbenzene	(2)	11.935	105	111122	3.914
115) Cyclohexanone	(2)	12.009	55	92433	198.626
116) 1,1,2,2-Tetrachloroethane	(3)	12.163	83	39753	3.822
118) trans-1,4-Dichloro-2-Butene	(3)	12.205	53	147364	40.095
117) Bromobenzene	(3)	12.182	156	29459	3.858
119) 1,2,3-Trichloropropane	(3)	12.202	110	11140	3.905
120) n-Propylbenzene	(3)	12.259	120	34034	4.170
122) 2-Chlorotoluene	(3)	12.333	126	28211	3.932
123) 1,3,5-Trimethylbenzene	(3)	12.388	120	47347	4.002
125) 4-Chlorotoluene	(3)	12.414	126	30620	4.045
126) tert-Butylbenzene	(3)	12.642	134	21229	4.124
127) Pentachloroethane	(3)	12.661	167	18104	3.752
128) 1,2,4-Trimethylbenzene	(3)	12.674	105	100314	4.040
129) sec-Butylbenzene	(3)	12.803	134	24066	4.124
130) p-Isopropyltoluene	(3)	12.903	134	28996	4.248
131) 1,3-Dichlorobenzene	(3)	12.893	146	57922	4.016
132) *1,4-Dichlorobenzene-d4	(3)	12.941	152	513004	50.000
133) 1,4-Dichlorobenzene	(3)	12.957	146	61514	4.042
134) 1,2,3-Trimethylbenzene	(3)	12.989	120	45243	3.964
135) Benzyl Chloride	(3)	13.050	91	66787	3.277
136) 1,3-Diethylbenzene	(3)	13.115	119	62560	3.959
137) 1,4-Diethylbenzene	(3)	13.176	119	66650	4.039
138) n-Butylbenzene	(3)	13.198	92	56245	4.437
139) 1,2-Dichlorobenzene	(3)	13.231	146	56750	3.986
140) 1,2-Diethylbenzene	(3)	13.266	119	53690	4.016
141) 1,2-Dibromo-3-Chloropropane	(3)	13.767	75	8922	3.686

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun06b.b/lu06i06.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 18:55 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 07-Jun-2006 16:03 keb01027

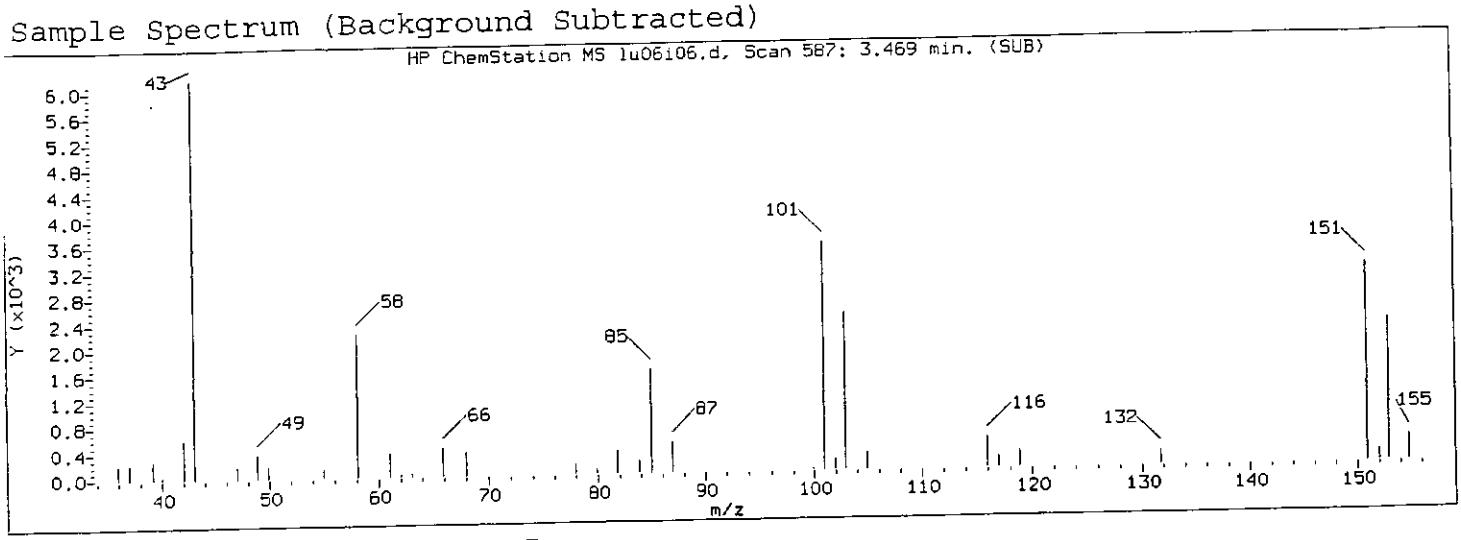
Sample Name: VSTD004 Lab Sample ID: VSTD004

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
142) 1,2,4-Trichlorobenzene	(3)	14.324	180	43128	4.125
143) Hexachlorobutadiene	(3)	14.427	225	18696	4.611
144) Naphthalene	(3)	14.494	128	118076	3.758
145) 1,2,3-Trichlorobenzene	(3)	14.648	180	42168	4.170
51)$Dibromofluoromethane	(1)	6.642	113	28555	4.100
52)$Dibromofluoromethane(mz111)	(1)	6.636	111	28893	4.063
62)$1,2-Dichloroethane-d4	(1)	7.109	102	6634M	4.165
61)$1,2-Dichloroethane-d4(mz104)	(1)	7.105	104	4103	4.074
89)$Toluene-d8	(2)	9.604	98	110266	4.134
88)$Toluene-d8(mz100)	(2)	9.600	100	68141	4.060
113)$4-Bromofluorobenzene	(2)	12.060	95	43828	3.691
112)$4-Bromofluorobenzene(mz174)	(2)	12.060	174	35850	3.725

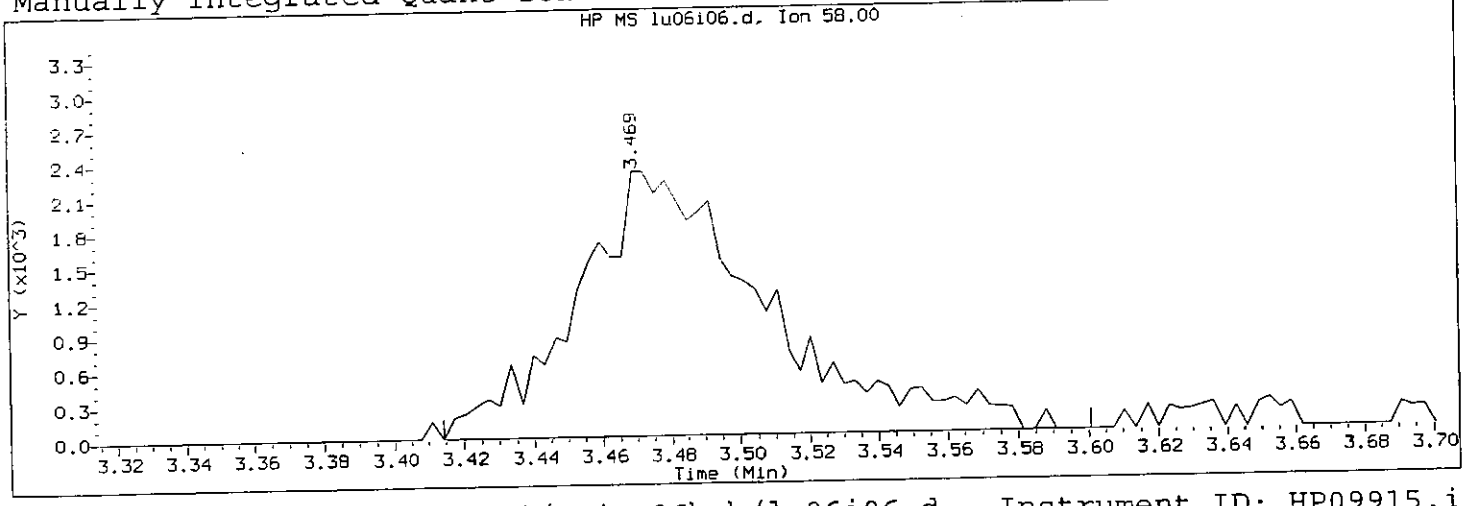
M = Compound was manually integrated.

$ = Compound is a surrogate standard.

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP09915.i/06jun06b.b/lu06i06.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 18:55 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 07-JUN-2006 16:03
Date, time and analyst ID of latest file update: 07-Jun-2006 16:03 keb01027

Sample Name: VSTD004 Lab Sample ID: VSTD004

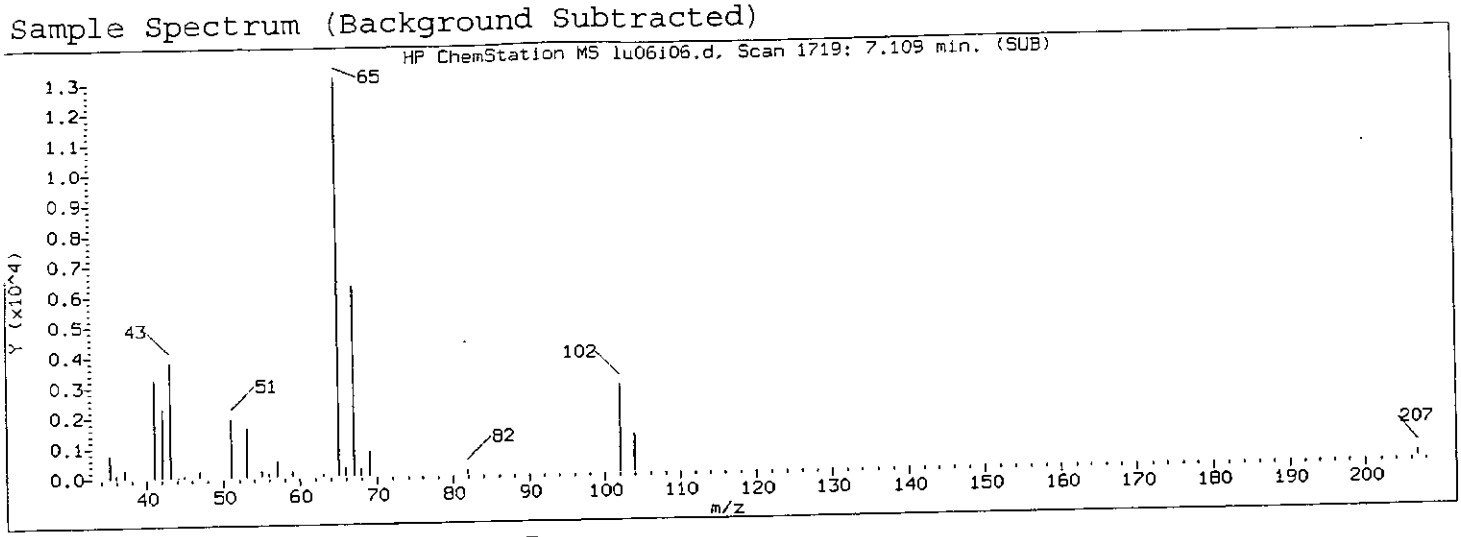
Compound Number	:	18
Compound Name	:	Acetone
Scan Number	:	587
Retention Time (minutes)	:	3.469
Quant Ion	:	58
Area (flag)	:	8840 M
Concentration (ug/L)	:	7.8384
Integration start scan	:	569 Integration stop scan: 627
Y at integration start	:	0 Y at integration end: 0

Reason for manual integration (circle one): missed peak improper integration

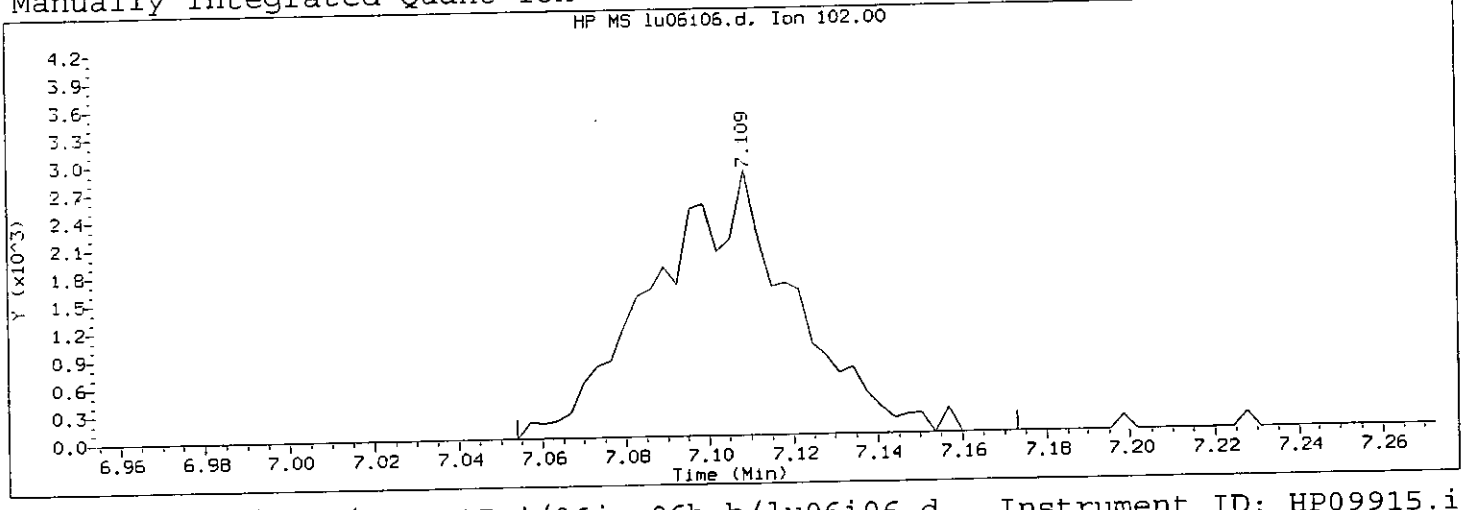
Analyst responsible for change: KEB1027 6/7/06

GC/MS audit/management approval: [signature] 6/7/06

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP09915.i/06jun06b.b/lu06i06.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 18:55 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 07-JUN-2006 16:03
Date, time and analyst ID of latest file update: 07-Jun-2006 16:03 keb01027

Sample Name: VSTD004 Lab Sample ID: VSTD004

Compound Number	: 62
Compound Name	: 1,2-Dichloroethane-d4
Scan Number	: 1719
Retention Time (minutes)	: 7.109
Quant Ion	: 102
Area (flag)	: 6634 M
Concentration (ug/L)	: 4.1650
Integration start scan	: 1701 Integration stop scan: 1738
Y at integration start	: 0 Y at integration end: 0

Reason for manual integration (circle one): missed peak improper integration

Analyst responsible for change: KEB01027 6/7/06

GC/MS audit/management approval: [signature] 6/7/06

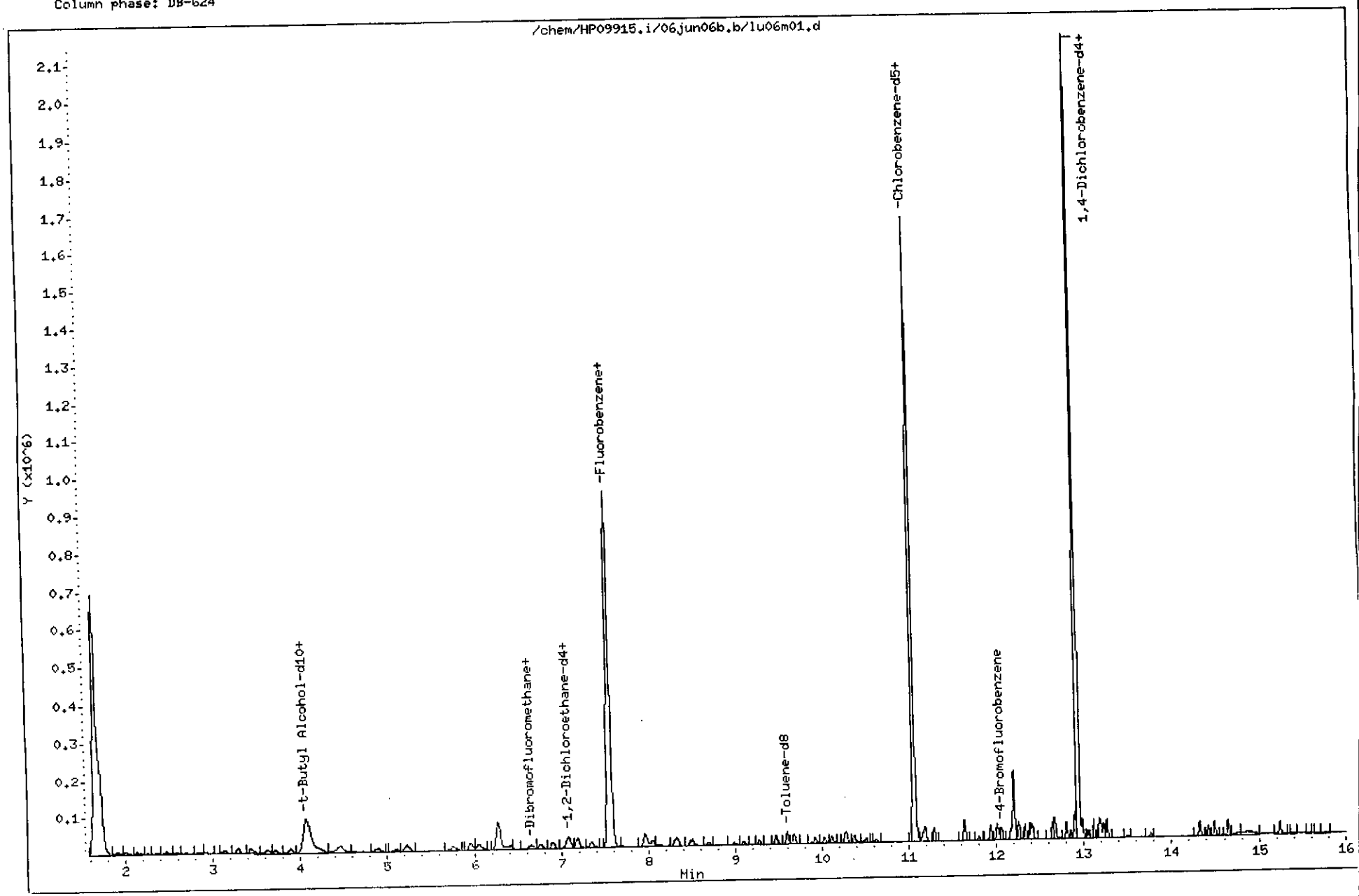
Data File: /chem/HP09915.i/06jun06b.b/1u06m01.d
Date : 06-JUN-2006 19:18
Client ID: VSTD001
Sample Info: VSTD001;1 PPB MDL;1;3;MDL;;
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP09915.i

Operator: KEB01027
Column diameter: 0.25

VSTD 6/6/06

6138



Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun06b.b/lu06m01.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 19:18 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260W+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 06-Jun-2006 21:27 keb01027

Sample Name: VSTD001 Lab Sample ID: 1 PPB MDL

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
1) Dichlorodifluoromethane	(1)	1.874	85	7215	0.841
2) Chloromethane	(1)	1.996	50	8744	1.050
3) Vinyl Chloride	(1)	2.122	62	7826	1.032
6) Bromomethane	(1)	2.462	94	5222	1.059
7) Chloroethane	(1)	2.572	64	4003	1.006
8) Trichlorofluoromethane	(1)	2.839	101	7947	0.898
10) Ethyl Ether	(1)	3.131	59	4936	0.993
15) Acrolein	(1)	3.285	56	21739	11.549
16) 1,1-Dichloroethene	(1)	3.421	96	4903	0.913
17) Freon 113	(1)	3.446	101	4712	0.838
18) Acetone	(1)	3.466	58	2130	1.952
20) Methyl Iodide	(1)	3.617	142	8496	0.846
21) 2-Propanol	(1)	3.629	45	15516	20.127
22) Carbon Disulfide	(1)	3.713	76	18346	0.922
23) Allyl Chloride	(1)	3.890	41	10651	0.922
25) Methyl Acetate	(1)	3.887	43	9232	1.115
26) Methylene Chloride	(1)	4.047	84	10554	1.606
27) *t-Butyl Alcohol-d10	(4)	4.070	65	251236	250.000
28) t-Butyl Alcohol	(4)	4.192	59	21846	19.057
29) Acrylonitrile	(1)	4.401	53	3872	0.921
30) trans-1,2-Dichloroethene	(1)	4.453	96	5190	0.881
31) Methyl Tertiary Butyl Ether	(1)	4.465	73	17571	0.910
33) n-Hexane	(1)	4.880	57	8428	0.950
40) 1,2-Dichloroethene (total)	(1)		96	10593	1.739
36) 1,1-Dichloroethane	(1)	5.096	63	10309	0.892
37) di-Isopropyl Ether	(1)	5.211	45	20267	0.854
39) 2-Chloro-1,3-Butadiene	(1)	5.244	53	7499	0.786
41) Ethyl t-Butyl Ether	(1)	5.755	59	16395	0.837
42) cis-1,2-Dichloroethene	(1)	5.951	96	5403	0.858
43) 2-Butanone	(1)	5.973	72	2323	1.728
44) 2,2-Dichloropropane	(1)	5.954	77	6769	0.811
45) Propionitrile	(1)	6.057	54	32040	19.814
46) Methacrylonitrile	(1)	6.272	67	36706	9.463
47) Bromochloromethane	(1)	6.295	128	2983	0.905

0191

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun06b.b/lu06m01.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 19:18 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260W+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 06-Jun-2006 21:27 keb01027

Sample Name: VSTD001 Lab Sample ID: 1 PPB MDL

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
48) Tetrahydrofuran	(1)	6.353	42	7859	1.945
49) Chloroform	(1)	6.417	83	9319	0.880
54) 1,1,1-Trichloroethane	(1)	6.681	97	7607	0.844
55) Cyclohexane	(1)	6.764	56	8961	0.804
58) 1,1-Dichloropropene	(1)	6.899	75	7045	0.844
59) Carbon Tetrachloride	(1)	6.909	117	6794	0.842
60) Isobutyl Alcohol	(1)	7.073	41	23827	48.428
63) Benzene	(1)	7.189	78	22013	0.881
64) 1,2-Dichloroethane	(1)	7.192	62	8963	0.935
67) t-Amyl Methyl Ether	(1)	7.343	73	14461	0.842
69) n-Heptane	(1)	7.568	100	959	0.815
70) *Fluorobenzene	(1)	7.562	96	1223307	50.000
72) n-Butanol	(1)	7.964	56	29306	78.350
73) Trichloroethene	(1)	8.047	95	5750	0.896
77) 1,2-Dichloropropane	(1)	8.340	63	6251	0.877
74) Methylcyclohexane	(1)	8.321	83	7427	0.780
80) Methyl Methacrylate	(1)	8.501	69	4736	0.744
79) Dibromomethane	(1)	8.478	93	4101	0.924
81) 1,4-Dioxane	(1)	8.507	88	3617	36.714
82) Bromodichloromethane	(1)	8.697	83	6520	0.816
83) 2-Nitropropane	(1)	8.986	41	4887	1.665
84) 2-Chloroethyl Vinyl Ether	(1)	9.095	63	4026	0.728
85) cis-1,3-Dichloropropene	(1)	9.276	75	8186	0.766
87) 4-Methyl-2-Pentanone	(1)	9.465	43	20490	1.573
90) Toluene	(2)	9.677	92	12135	0.801
91) trans-1,3-Dichloropropene	(2)	9.919	75	6930	0.728
92) Ethyl Methacrylate	(2)	10.022	69	7208	0.679
93) 1,1,2-Trichloroethane	(2)	10.108	97	5631	0.948
94) Tetrachloroethene	(2)	10.266	166	5783	0.888
95) 1,3-Dichloropropane	(2)	10.285	76	9572	0.883
96) 2-Hexanone	(2)	10.372	43	14882	3.971
98) Dibromochloromethane	(2)	10.510	129	4929	0.742
100) 1,2-Dibromoethane	(2)	10.629	107	6004	0.890
101) *Chlorobenzene-d5	(2)	11.060	117	896982	50.000

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun06b.b/lu06m01.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 19:18 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260W+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 06-Jun-2006 21:27 keb01027

Sample Name: VSTD001 Lab Sample ID: 1 PPB MDL

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
102) Chlorobenzene	(2)	11.089	112	15604	0.897
103) 1,1,1,2-Tetrachloroethane	(2)	11.157	131	4996	0.830
104) Ethylbenzene	(2)	11.189	91	24625	0.842
105) m+p-Xylene	(2)	11.288	106	9347	0.815
106) Xylene (Total)	(2)		106	18029	1.608
107) o-Xylene	(2)	11.632	106	8682	0.793
108) Styrene	(2)	11.639	104	12334	0.671
109) Bromoform	(2)	11.800	173	4040	0.785
111) Isopropylbenzene	(2)	11.935	105	22092	0.798
115) Cyclohexanone	(2)	12.012	55	19088	42.059
116) 1,1,2,2-Tetrachloroethane	(3)	12.163	83	9156	0.918
118) trans-1,4-Dichloro-2-Butene	(3)	12.205	53	32167	9.130
117) Bromobenzene	(3)	12.185	156	6734	0.920
119) 1,2,3-Trichloropropane	(3)	12.205	110	2809	1.027
120) n-Propylbenzene	(3)	12.259	120	7031	0.899
122) 2-Chlorotoluene	(3)	12.330	126	6143	0.893
123) 1,3,5-Trimethylbenzene	(3)	12.388	120	9330	0.823
125) 4-Chlorotoluene	(3)	12.414	126	6188	0.853
126) tert-Butylbenzene	(3)	12.642	134	4546	0.921
127) Pentachloroethane	(3)	12.661	167	3840	0.830
128) 1,2,4-Trimethylbenzene	(3)	12.677	105	19955	0.838
129) sec-Butylbenzene	(3)	12.803	134	4931	0.881
130) p-Isopropyltoluene	(3)	12.906	134	5503	0.841
131) 1,3-Dichlorobenzene	(3)	12.893	146	12835	0.928
132) *1,4-Dichlorobenzene-d4	(3)	12.941	152	491748	50.000
133) 1,4-Dichlorobenzene	(3)	12.957	146	14371	0.985
134) 1,2,3-Trimethylbenzene	(3)	12.986	120	9863	0.902
135) Benzyl Chloride	(3)	13.050	91	13805	0.707
136) 1,3-Diethylbenzene	(3)	13.115	119	12570	0.830
137) 1,4-Diethylbenzene	(3)	13.176	119	13389	0.846
138) n-Butylbenzene	(3)	13.198	92	11375	0.936
139) 1,2-Dichlorobenzene	(3)	13.234	146	13450	0.985
140) 1,2-Diethylbenzene	(3)	13.266	119	11000	0.858
141) 1,2-Dibromo-3-Chloropropane	(3)	13.771	75	1976	0.852

0193

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun06b.b/lu06m01.d Instrument ID: HP09915.i
Injection date and time: 06-JUN-2006 19:18 Analyst ID: KEB01027

Method used: /chem/HP09915.i/06jun06b.b/L8260W.m Sublist used: 8260W+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 06-Jun-2006 21:27 keb01027

Sample Name: VSTD001 Lab Sample ID: 1 PPB MDL

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
142) 1,2,4-Trichlorobenzene	(3)	14.324	180	10059	1.004
143) Hexachlorobutadiene	(3)	14.423	225	4908	1.263
144) Naphthalene	(3)	14.497	128	27079	0.899
145) 1,2,3-Trichlorobenzene	(3)	14.648	180	10155	1.048
51) $Dibromofluoromethane	(1)	6.629	113	6322	0.938
62) $1,2-Dichloroethane-d4	(1)	7.099	102	1379	0.895
89) $Toluene-d8	(2)	9.600	98	23715	0.912
113) $4-Bromofluorobenzene	(2)	12.060	95	10117	0.874

$ = Compound is a surrogate standard.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Instrument ID: HP09915 Calibration Date: 06/13/06 Time: 08:28

Lab File ID: lu13c01.d Init. Calib. Date(s): 06/06/06 06/06/06

Matrix: (soil/water) WATER Level: (low/med) LOW GC Column: DB-624 ID: .25

	COMPOUND	RRF	RRF50	ACTUAL CONC.	TRUE CONC.	% DRIFT	
	Dichlorodifluoromethane	0.3507	0.3334	47.53	50	-5	
#	Chloromethane	0.3404	0.3874	56.91	50	14	#
*	Vinyl Chloride	0.3101	0.3275	52.80	50	6	*
	Bromomethane	0.2015	0.2077	51.53	50	3	
	Chloroethane	0.1626	0.1679	51.63	50	3	
	Trichlorofluoromethane	0.3617	0.3422	47.30	50	-5	
	Ethyl Ether	0.2032	0.1932	47.54	50	-5	
	Acrolein	0.0769	0.0885	575.12	500	15	
*	1,1-Dichloroethene	0.2194	0.2237	50.98	50	2	*
	Freon 113	0.2298	0.2255	49.06	50	-2	
	Acetone	0.0446	0.0494	110.75	100	11	
	Methyl Iodide	0.4103	0.4051	49.37	50	-1	
	2-Propanol	0.0315	0.0393	312.16	250	25	
	Carbon Disulfide	0.8134	0.8593	52.82	50	6	
	Allyl Chloride	0.4721	0.5029	53.26	50	7	
	Methyl Acetate	0.3383	0.3754	55.48	50	11	
	Methylene Chloride	0.2687	0.2723	50.67	50	1	
	t-Butyl Alcohol	1.1407	1.0964	240.29	250	-4	
	Acrylonitrile	0.1717	0.1883	54.82	50	10	
	trans-1,2-Dichloroethene	0.2408	0.2513	52.19	50	4	
	Methyl Tertiary Butyl Ether	0.7895	0.8230	52.12	50	4	
	n-Hexane	0.3627	0.3461	47.71	50	-5	
	1,2-Dichloroethene (total)	0.2491	0.2613	104.87	100	5	
#	1,1-Dichloroethane	0.4722	0.5014	53.09	50	6	#
	di-Isopropyl Ether	0.9704	1.0583	54.53	50	9	
	2-Chloro-1,3-Butadiene	0.3901	0.4375	56.07	50	12	
	Ethyl t-Butyl Ether	0.8002	0.8340	52.11	50	4	
	cis-1,2-Dichloroethene	0.2575	0.2713	52.67	50	5	
	2-Butanone	0.0550	0.0590	107.37	100	7	
	2,2-Dichloropropane	0.3411	0.3477	50.96	50	2	
	Propionitrile	0.0661	0.0747	282.43	250	13	
	Methacrylonitrile	0.1585	0.1752	138.16	125	11	
	Bromochloromethane	0.1348	0.1402	52.03	50	4	
	Tetrahydrofuran	0.1651	0.1855	112.31	100	12	
*	Chloroform	0.4328	0.4648	53.69	50	7	*
	1,1,1-Trichloroethane	0.3683	0.3740	50.77	50	2	

#195

Minimum RRF for SPCC(#)=0.10 (0.30 for Chlorobenzene, 1,1,2,2-Tetrachloroethane)
Maximum %Drift for CCC(*)=20%

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Instrument ID: HP09915 Calibration Date: 06/13/06 Time: 08:28

Lab File ID: lu13c01.d Init. Calib. Date(s): 06/06/06 06/06/06

Matrix: (soil/water) WATER Level: (low/med) LOW GC Column: DB-624 ID: .25

	COMPOUND	RRF	RRF50	ACTUAL CONC.	TRUE CONC.	% DRIFT	
	Cyclohexane	0.4553	0.4491	49.32	50	-1	
	1,1-Dichloropropene	0.3410	0.3513	51.51	50	3	
	Carbon Tetrachloride	0.3297	0.3278	49.71	50	-1	
	Isobutyl Alcohol	0.0201	0.0235	729.27	625	17	
	Benzene	1.0207	1.0763	52.72	50	5	
	1,2-Dichloroethane	0.3917	0.4313	55.05	50	10	
	t-Amyl Methyl Ether	0.7018	0.7319	52.14	50	4	
	n-Heptane	0.0481	0.0434	45.10	50	-10	
	n-Butanol	0.0153	0.0174	1423.98	1250	14	
	Trichloroethene	0.2623	0.2670	50.90	50	2	
*	1,2-Dichloropropane	0.2914	0.3174	54.47	50	9	*
	Methylcyclohexane	0.3890	0.4127	53.04	50	6	
	Methyl Methacrylate	0.2603	0.2907	55.83	50	12	
	Dibromomethane	0.1814	0.1969	54.26	50	9	
	1,4-Dioxane	0.0040	0.0051	790.16	625	26	
	Bromodichloromethane	0.3267	0.3593	54.98	50	10	
	2-Nitropropane	0.1199	0.1338	111.57	100	12	
	2-Chloroethyl Vinyl Ether	0.2259	0.2518	55.72	50	11	
	cis-1,3-Dichloropropene	0.4367	0.4717	54.01	50	8	
	4-Methyl-2-Pentanone	0.5323	0.5695	107.00	100	7	
*	Toluene	0.8447	0.8361	49.49	50	-1	*
	trans-1,3-Dichloropropene	0.5304	0.5641	53.17	50	6	
	Ethyl Methacrylate	0.5914	0.6506	55.00	50	10	
	1,1,2-Trichloroethane	0.3311	0.3418	51.61	50	3	
	Tetrachloroethene	0.3632	0.3297	45.39	50	-9	
	1,3-Dichloropropane	0.6044	0.6421	53.12	50	6	
	2-Hexanone	0.5756	0.5771	94.98	100	-5	
	Dibromochloromethane	0.3704	0.3806	51.38	50	3	
	1,2-Dibromoethane	0.3761	0.3909	51.97	50	4	
#	Chlorobenzene	0.9696	0.9505	49.01	50	-2	#
	1,1,1,2-Tetrachloroethane	0.3354	0.3336	49.73	50	-1	
*	Ethylbenzene	1.6297	1.6123	49.47	50	-1	*
	m+p-Xylene	0.6389	0.6182	48.38	50	-3	
	Xylene (Total)	0.6246	0.6084	97.42	100	-3	
	o-Xylene	0.6103	0.5986	49.04	50	-2	
	Styrene	1.0239	1.0436	50.96	50	2	

0196

Minimum RRF for SPCC(#)=0.10 (0.30 for Chlorobenzene, 1,1,2,2-Tetrachloroethane)
Maximum %Drift for CCC(*)=20%

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Instrument ID: HP09915 Calibration Date: 06/13/06 Time: 08:28

Lab File ID: lu13c01.d Init. Calib. Date(s): 06/06/06 06/06/06

Matrix: (soil/water) WATER Level: (low/med) LOW GC Column: DB-624 ID: .25

			ACTUAL	TRUE	%	
COMPOUND	RRF	RRF50	CONC.	CONC.	DRIFT	
# Bromoform	0.2869	0.2934	51.14	50	2	#
Isopropylbenzene	1.5433	1.4727	47.71	50	-5	
Cyclohexanone	0.0253	0.0309	764.08	625	22	
# 1,1,2,2-Tetrachloroethane	1.0138	1.0617	52.36	50	5	#
trans-1,4-Dichloro-2-Butene	0.3582	0.3838	133.91	125	7	
Bromobenzene	0.7443	0.7120	47.83	50	-4	
1,2,3-Trichloropropane	0.2781	0.2871	51.62	50	3	
n-Propylbenzene	0.7955	0.7280	45.76	50	-8	
2-Chlorotoluene	0.6993	0.6618	47.32	50	-5	
1,3,5-Trimethylbenzene	1.1532	1.0902	47.27	50	-5	
4-Chlorotoluene	0.7378	0.7123	48.27	50	-3	
tert-Butylbenzene	0.5017	0.4674	46.58	50	-7	
Pentachloroethane	0.4702	0.4796	51.00	50	2	
1,2,4-Trimethylbenzene	2.4202	2.3604	48.76	50	-2	
sec-Butylbenzene	0.5688	0.5198	45.70	50	-9	
p-Isopropyltoluene	0.6653	0.6148	46.21	50	-8	
1,3-Dichlorobenzene	1.4057	1.3315	47.36	50	-5	
1,4-Dichlorobenzene	1.4831	1.3941	47.00	50	-6	
1,2,3-Trimethylbenzene	1.1124	1.1438	51.41	50	3	
Benzyl Chloride	1.9867	2.1466	54.03	50	8	
1,3-Diethylbenzene	1.5401	1.5797	51.29	50	3	
1,4-Diethylbenzene	1.6084	1.6445	51.12	50	2	
n-Butylbenzene	1.2355	1.1633	47.08	50	-6	
1,2-Dichlorobenzene	1.3878	1.3135	47.32	50	-5	
1,2-Diethylbenzene	1.3029	1.3415	51.48	50	3	
1,2-Dibromo-3-Chloropropane	0.2359	0.2426	51.43	50	3	
1,2,4-Trichlorobenzene	1.0191	0.9189	45.08	50	-10	
Hexachlorobutadiene	0.3952	0.3220	40.75	50	-19	
Naphthalene	3.0623	2.9526	48.21	50	-4	
1,2,3-Trichlorobenzene	0.9856	0.8659	43.93	50	-12	
Dibromofluoromethane	0.2754	0.2515	45.66	50	-9	
Dibromofluoromethane(mz111)	0.2812	0.2589	46.04	50	-8	
1,2-Dichloroethane-d4	0.0630	0.0560	44.44	50	-11	
1,2-Dichloroethane-d4(mz104)	0.0398	0.0356	44.67	50	-11	
Toluene-d8	1.4500	1.3382	46.14	50	-8	

8197

Minimum RRF for SPCC(#)=0.10 (0.30 for Chlorobenzene, 1,1,2,2-Tetrachloroethane)
Maximum %Drift for CCC(*)=20%

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Instrument ID: HP09915 Calibration Date: 06/13/06 Time: 08:28

Lab File ID: lu13c01.d Init. Calib. Date(s): 06/06/06 06/06/06

Matrix: (soil/water) WATER Level: (low/med) LOW GC Column: DB-624 ID: .25

COMPOUND	$\overline{RRF}$	RRF50	ACTUAL CONC.	TRUE CONC.	% DRIFT
Toluene-d8(mz100)	0.9123	0.8447	46.29	50	-7
4-Bromofluorobenzene	0.6455	0.5463	42.32	50	-15
4-Bromofluorobenzene(mz174)	0.5232	0.4197	40.11	50	-20

Average %Drift 7

8198

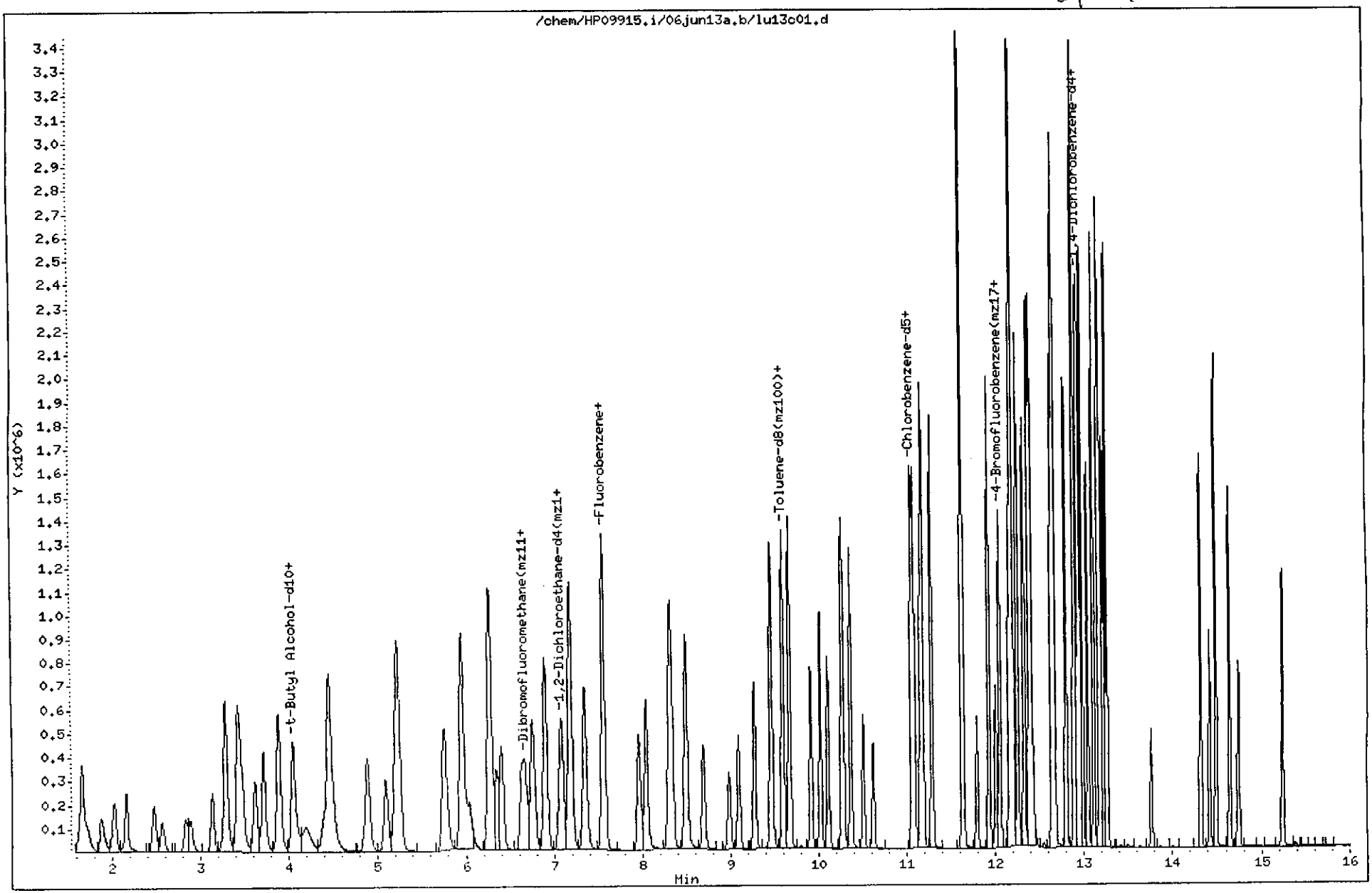
Minimum RRF for SPCC(#)=0.10 (0.30 for Chlorobenzene, 1,1,2,2-Tetrachloroethane)
Maximum %Drift for CCC(*)=20%

Data File: /chem/HP09915.i/06jun13a.b/lu13c01.d
Date : 13-JUN-2006 08:28
Client ID: VSTD050
Sample Info: VSTD050;VSTD050;1;2;;;
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP09915.i

Operator: ADS01731
Column diameter: 0.25

Jun 7d
6/13/06



Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun13a.b/lu13c01.d Instrument ID: HP09915.i
Injection date and time: 13-JUN-2006 08:28 Analyst ID: ADS01731

Method used: /chem/HP09915.i/06jun13a.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 13-Jun-2006 08:48 Automation

Sample Name: VSTD050 Lab Sample ID: VSTD050

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
1) Dichlorodifluoromethane	(1)	1.884	85	347657	47.529
2) Chloromethane	(1)	2.031	50	404018	56.914
3) Vinyl Chloride	(1)	2.163	62	341524	52.804
6) Bromomethane	(1)	2.472	94	216601	51.534
7) Chloroethane	(1)	2.562	64	175068	51.633
8) Trichlorofluoromethane	(1)	2.835	101	356861	47.301
10) Ethyl Ether	(1)	3.134	59	201465	47.541
15) Acrolein	(1)	3.285	56	922838	575.118
16) 1,1-Dichloroethene	(1)	3.424	96	233298	50.976
17) Freon 113	(1)	3.446	101	235124	49.062
18) Acetone	(1)	3.462	58	103011	110.749
20) Methyl Iodide	(1)	3.613	142	422510	49.373
21) 2-Propanol	(1)	3.629	45	205152	312.163
22) Carbon Disulfide	(1)	3.713	76	896108	52.819
23) Allyl Chloride	(1)	3.877	41	524407	53.255
25) Methyl Acetate	(1)	3.893	43	391466	55.480
26) Methylene Chloride	(1)	4.047	84	283958	50.673
27)*t-Butyl Alcohol-d10	(4)	4.067	65	243347	250.000
28) t-Butyl Alcohol	(4)	4.195	59	266811	240.294
29) Acrylonitrile	(1)	4.385	53	196380	54.820
30) trans-1,2-Dichloroethene	(1)	4.456	96	262105	52.194
31) Methyl Tertiary Butyl Ether	(1)	4.462	73	858260	52.123
33) n-Hexane	(1)	4.883	57	360967	47.711
40) 1,2-Dichloroethene (total)	(1)		96	544990	104.868
36) 1,1-Dichloroethane	(1)	5.092	63	522882	53.093
37) di-Isopropyl Ether	(1)	5.215	45	1103644	54.530
39) 2-Chloro-1,3-Butadiene	(1)	5.234	53	456241	56.073
41) Ethyl t-Butyl Ether	(1)	5.758	59	869705	52.107
42) cis-1,2-Dichloroethene	(1)	5.951	96	282884	52.674
43) 2-Butanone	(1)	5.970	72	123072	107.366
44) 2,2-Dichloropropane	(1)	5.957	77	362567	50.959
45) Propionitrile	(1)	6.041	54	389322	282.429
46) Methacrylonitrile	(1)	6.269	67	456835	138.161
47) Bromochloromethane	(1)	6.285	128	146256	52.032

8200

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun13a.b/lu13c01.d Instrument ID: HP09915.i
Injection date and time: 13-JUN-2006 08:28 Analyst ID: ADS01731

Method used: /chem/HP09915.i/06jun13a.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 13-Jun-2006 08:48 Automation

Sample Name: VSTD050 Lab Sample ID: VSTD050

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
48) Tetrahydrofuran	(1)	6.353	42	386854	112.310
49) Chloroform	(1)	6.411	83	484707	53.690
54) 1,1,1-Trichloroethane	(1)	6.674	97	389995	50.770
55) Cyclohexane	(1)	6.758	56	468391	49.322
58) 1,1-Dichloropropene	(1)	6.896	75	366359	51.515
59) Carbon Tetrachloride	(1)	6.909	117	341835	49.709
60) Isobutyl Alcohol	(1)	7.067	41	305878	729.270
63) Benzene	(1)	7.179	78	1122388	52.722
64) 1,2-Dichloroethane	(1)	7.198	62	449740	55.049
67) t-Amyl Methyl Ether	(1)	7.350	73	763216	52.140
69) n-Heptane	(1)	7.565	100	45244	45.100
70)*Fluorobenzene	(1)	7.559	96	1042855	50.000
72) n-Butanol	(1)	7.960	56	454054	1423.981
73) Trichloroethene	(1)	8.047	95	278437	50.897
77) 1,2-Dichloropropane	(1)	8.333	63	331044	54.466
74) Methylcyclohexane	(1)	8.311	83	430361	53.040
80) Methyl Methacrylate	(1)	8.504	69	303153	55.830
79) Dibromomethane	(1)	8.485	93	205327	54.258
81) 1,4-Dioxane	(1)	8.513	88	66362	790.156
82) Bromodichloromethane	(1)	8.700	83	374703	54.984
83) 2-Nitropropane	(1)	8.986	41	279090	111.571
84) 2-Chloroethyl Vinyl Ether	(1)	9.095	63	262542	55.717
85) cis-1,3-Dichloropropene	(1)	9.276	75	491957	54.007
87) 4-Methyl-2-Pentanone	(1)	9.465	43	1187818	106.995
90) Toluene	(2)	9.674	92	657694	49.490
91) trans-1,3-Dichloropropene	(2)	9.915	75	443714	53.170
92) Ethyl Methacrylate	(2)	10.025	69	511799	55.003
93) 1,1,2-Trichloroethane	(2)	10.111	97	268858	51.610
94) Tetrachloroethene	(2)	10.266	166	259384	45.393
95) 1,3-Dichloropropane	(2)	10.282	76	505104	53.120
96) 2-Hexanone	(2)	10.369	43	907981	94.981
98) Dibromochloromethane	(2)	10.510	129	299426	51.376
100) 1,2-Dibromoethane	(2)	10.623	107	307536	51.970
101)*Chlorobenzene-d5	(2)	11.060	117	786650	50.000

8281

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun13a.b/lu13c01.d Instrument ID: HP09915.i
Injection date and time: 13-JUN-2006 08:28 Analyst ID: ADS01731

Method used: /chem/HP09915.i/06jun13a.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 13-Jun-2006 08:48 Automation

Sample Name: VSTD050 Lab Sample ID: VSTD050

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
102) Chlorobenzene	(2)	11.089	112	747679	49.011
103) 1,1,1,2-Tetrachloroethane	(2)	11.160	131	262413	49.726
104) Ethylbenzene	(2)	11.185	91	1268326	49.467
105) m+p-Xylene	(2)	11.288	106	486321	48.381
106) Xylene (Total)	(2)		106	957181	97.416
107) o-Xylene	(2)	11.632	106	470860	49.036
108) Styrene	(2)	11.639	104	820910	50.960
109) Bromoform	(2)	11.796	173	230833	51.138
111) Isopropylbenzene	(2)	11.935	105	1158494	47.713
115) Cyclohexanone	(2)	12.009	55	304118	764.083
116) 1,1,2,2-Tetrachloroethane	(3)	12.163	83	480440	52.361
118) trans-1,4-Dichloro-2-Butene	(3)	12.205	53	434168	133.911
117) Bromobenzene	(3)	12.185	156	322188	47.829
119) 1,2,3-Trichloropropane	(3)	12.201	110	129911	51.623
120) n-Propylbenzene	(3)	12.259	120	329433	45.757
122) 2-Chlorotoluene	(3)	12.333	126	299513	47.320
123) 1,3,5-Trimethylbenzene	(3)	12.391	120	493361	47.269
125) 4-Chlorotoluene	(3)	12.414	126	322341	48.274
126) tert-Butylbenzene	(3)	12.642	134	211515	46.582
127) Pentachloroethane	(3)	12.664	167	217043	50.997
128) 1,2,4-Trimethylbenzene	(3)	12.674	105	1068170	48.764
129) sec-Butylbenzene	(3)	12.803	134	235248	45.697
130) p-Isopropyltoluene	(3)	12.902	134	278224	46.206
131) 1,3-Dichlorobenzene	(3)	12.893	146	602541	47.360
132) *1,4-Dichlorobenzene-d4	(3)	12.941	152	452541	50.000
133) 1,4-Dichlorobenzene	(3)	12.957	146	630902	47.000
134) 1,2,3-Trimethylbenzene	(3)	12.989	120	517599	51.410
135) Benzyl Chloride	(3)	13.050	91	971442	54.026
136) 1,3-Diethylbenzene	(3)	13.115	119	714894	51.285
137) 1,4-Diethylbenzene	(3)	13.179	119	744211	51.122
138) n-Butylbenzene	(3)	13.198	92	526435	47.079
139) 1,2-Dichlorobenzene	(3)	13.230	146	594417	47.325
140) 1,2-Diethylbenzene	(3)	13.266	119	607062	51.479
141) 1,2-Dibromo-3-Chloropropane	(3)	13.767	75	109804	51.428

0202

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun13a.b/lu13c01.d Instrument ID: HP09915.i
Injection date and time: 13-JUN-2006 08:28 Analyst ID: ADS01731

Method used: /chem/HP09915.i/06jun13a.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 13-Jun-2006 08:48 Automation

Sample Name: VSTD050 Lab Sample ID: VSTD050

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
142) 1,2,4-Trichlorobenzene	(3)	14.324	180	415835	45.082
143) Hexachlorobutadiene	(3)	14.426	225	145725	40.746
144) Naphthalene	(3)	14.494	128	1336165	48.208
145) 1,2,3-Trichlorobenzene	(3)	14.652	180	391851	43.928
51)$Dibromofluoromethane	(1)	6.629	113	262324	45.664
52)$Dibromofluoromethane(mz111)	(1)	6.629	111	269975	46.037
62)$1,2-Dichloroethane-d4	(1)	7.089	102	58383	44.443
61)$1,2-Dichloroethane-d4(mz104)	(1)	7.092	104	37105	44.675
89)$Toluene-d8	(2)	9.600	98	1052680	46.145
88)$Toluene-d8(mz100)	(2)	9.600	100	664463	46.293
113)$4-Bromofluorobenzene	(2)	12.057	95	429749	42.317
112)$4-Bromofluorobenzene(mz174)	(2)	12.057	174	330161	40.108

$ = Compound is a surrogate standard.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Instrument ID: HP09915 Calibration Date: 06/13/06 Time: 21:12

Lab File ID: lu13c02.d Init. Calib. Date(s): 06/06/06 06/06/06

Matrix: (soil/water) WATER Level: (low/med) LOW GC Column: DB-624 ID: .25

	COMPOUND	RRF	RRF100	ACTUAL CONC.	TRUE CONC.	% DRIFT	
	Dichlorodifluoromethane	0.3507	0.4041	115.23	100	15	
#	Chloromethane	0.3404	0.3619	106.32	100	6	#
*	Vinyl Chloride	0.3101	0.3402	109.70	100	10	*
	Bromomethane	0.2015	0.1957	97.14	100	-3	
	Chloroethane	0.1626	0.1612	99.16	100	-1	
	Trichlorofluoromethane	0.3617	0.3982	110.09	100	10	
	Ethyl Ether	0.2032	0.1863	91.67	100	-8	
	Acrolein	0.0769	0.0840	1091.52	1000	9	
*	1,1-Dichloroethene	0.2194	0.2157	98.29	100	-2	*
	Freon 113	0.2298	0.2320	100.96	100	1	
	Acetone	0.0446	0.0424	190.10	200	-5	
	Methyl Iodide	0.4103	0.3881	94.59	100	-5	
	2-Propanol	0.0315	0.0383	608.41	500	22	
	Carbon Disulfide	0.8134	0.7715	94.84	100	-5	
	Allyl Chloride	0.4721	0.5146	109.00	100	9	
	Methyl Acetate	0.3383	0.3658	108.12	100	8	
	Methylene Chloride	0.2687	0.2612	97.23	100	-3	
	t-Butyl Alcohol	1.1407	1.1019	483.00	500	-3	
	Acrylonitrile	0.1717	0.1717	99.97	100	0	
	trans-1,2-Dichloroethene	0.2408	0.2476	102.83	100	3	
	Methyl Tertiary Butyl Ether	0.7895	0.8117	102.82	100	3	
	n-Hexane	0.3627	0.3686	101.62	100	2	
	1,2-Dichloroethene (total)	0.2491	0.2610	209.37	200	5	
#	1,1-Dichloroethane	0.4722	0.4987	105.61	100	6	#
	di-Isopropyl Ether	0.9704	1.0524	108.45	100	8	
	2-Chloro-1,3-Butadiene	0.3901	0.4483	114.93	100	15	
	Ethyl t-Butyl Ether	0.8002	0.8406	105.05	100	5	
	cis-1,2-Dichloroethene	0.2575	0.2743	106.54	100	7	
	2-Butanone	0.0550	0.0542	197.08	200	-1	
	2,2-Dichloropropane	0.3411	0.3661	107.33	100	7	
	Propionitrile	0.0661	0.0731	552.80	500	11	
	Methacrylonitrile	0.1585	0.1775	279.85	250	12	
	Bromochloromethane	0.1348	0.1450	107.59	100	8	
	Tetrahydrofuran	0.1651	0.1659	200.86	200	0	
*	Chloroform	0.4328	0.4738	109.47	100	9	*
	1,1,1-Trichloroethane	0.3683	0.3933	106.79	100	7	

0264

Minimum RRF for SPCC(#)=0.10 (0.30 for Chlorobenzene, 1,1,2,2-Tetrachloroethane)
Maximum %Drift for CCC(*)=20%

FORM VII VOA

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Instrument ID: HP09915 Calibration Date: 06/13/06 Time: 21:12

Lab File ID: lu13c02.d Init. Calib. Date(s): 06/06/06 06/06/06

Matrix: (soil/water) WATER Level: (low/med) LOW GC Column: DB-624 ID: .25

	COMPOUND	RRF	RRF100	ACTUAL CONC.	TRUE CONC.	% DRIFT	
	Cyclohexane	0.4553	0.4846	106.43	100	6	
	1,1-Dichloropropene	0.3410	0.3742	109.76	100	10	
	Carbon Tetrachloride	0.3297	0.3571	108.30	100	8	
	Isobutyl Alcohol	0.0201	0.0227	1409.11	1250	13	
	Benzene	1.0207	1.0874	106.53	100	7	
	1,2-Dichloroethane	0.3917	0.4323	110.35	100	10	
	t-Amyl Methyl Ether	0.7018	0.7401	105.45	100	5	
	n-Heptane	0.0481	0.0512	106.36	100	6	
	n-Butanol	0.0153	0.0172	2817.33	2500	13	
	Trichloroethene	0.2623	0.2789	106.33	100	6	
*	1,2-Dichloropropane	0.2914	0.3242	111.27	100	11	*
	Methylcyclohexane	0.3890	0.4667	119.97	100	20	
	Methyl Methacrylate	0.2603	0.2950	113.30	100	13	
	Dibromomethane	0.1814	0.2019	111.30	100	11	
	1,4-Dioxane	0.0040	0.0050	1538.47	1250	23	
	Bromodichloromethane	0.3267	0.3793	116.10	100	16	
	2-Nitropropane	0.1199	0.1241	206.92	200	3	
	2-Chloroethyl Vinyl Ether	0.2259	0.2584	114.39	100	14	
	cis-1,3-Dichloropropene	0.4367	0.4849	111.03	100	11	
	4-Methyl-2-Pentanone	0.5323	0.5208	195.70	200	-2	
*	Toluene	0.8447	0.8724	103.28	100	3	*
	trans-1,3-Dichloropropene	0.5304	0.6233	117.51	100	18	
	Ethyl Methacrylate	0.5914	0.6651	112.46	100	12	
	1,1,2-Trichloroethane	0.3311	0.3479	105.08	100	5	
	Tetrachloroethene	0.3632	0.3644	100.33	100	0	
	1,3-Dichloropropane	0.6044	0.6483	107.26	100	7	
	2-Hexanone	0.5756	0.5185	175.29	200	-12	
	Dibromochloromethane	0.3704	0.3955	106.77	100	7	
	1,2-Dibromoethane	0.3761	0.3984	105.92	100	6	
#	Chlorobenzene	0.9696	0.9976	102.88	100	3	#
	1,1,1,2-Tetrachloroethane	0.3354	0.3552	105.89	100	6	
*	Ethylbenzene	1.6297	1.7044	104.59	100	5	*
	m+p-Xylene	0.6389	0.6617	207.12	200	4	
	Xylene (Total)	0.6246	0.6557	312.61	300	4	
	o-Xylene	0.6103	0.6438	105.49	100	5	
	Styrene	1.0239	1.1153	108.92	100	9	

0285

Minimum RRF for SPCC(#)=0.10 (0.30 for Chlorobenzene, 1,1,2,2-Tetrachloroethane)
Maximum %Drift for CCC(*)=20%

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Instrument ID: HP09915 Calibration Date: 06/13/06 Time: 21:12

Lab File ID: lu13c02.d Init. Calib. Date(s): 06/06/06 06/06/06

Matrix: (soil/water) WATER Level: (low/med) LOW GC Column: DB-624 ID: .25

			ACTUAL	TRUE	%	
COMPOUND	RRF	RRF100	CONC.	CONC.	DRIFT	
# Bromoform	0.2869	0.3128	109.04	100	9	#
Isopropylbenzene	1.5433	1.5731	101.93	100	2	
Cyclohexanone	0.0253	0.0269	1326.86	1250	6	
# 1,1,2,2-Tetrachloroethane	1.0138	1.0524	103.81	100	4	#
trans-1,4-Dichloro-2-Butene	0.3582	0.3784	264.11	250	6	
Bromobenzene	0.7443	0.7547	101.40	100	1	
1,2,3-Trichloropropane	0.2781	0.2928	105.31	100	5	
n-Propylbenzene	0.7955	0.7837	98.52	100	-1	
2-Chlorotoluene	0.6993	0.7003	100.13	100	0	
1,3,5-Trimethylbenzene	1.1532	1.1602	100.61	100	1	
4-Chlorotoluene	0.7378	0.7381	100.04	100	0	
tert-Butylbenzene	0.5017	0.5108	101.82	100	2	
Pentachloroethane	0.4702	0.5119	108.86	100	9	
1,2,4-Trimethylbenzene	2.4202	2.4497	101.22	100	1	
sec-Butylbenzene	0.5688	0.5763	101.32	100	1	
p-Isopropyltoluene	0.6653	0.6808	102.34	100	2	
1,3-Dichlorobenzene	1.4057	1.3936	99.14	100	-1	
1,4-Dichlorobenzene	1.4831	1.4434	97.32	100	-3	
1,2,3-Trimethylbenzene	1.1124	1.1722	105.38	100	5	
Benzyl Chloride	1.9867	2.1936	110.42	100	10	
1,3-Diethylbenzene	1.5401	1.6400	106.49	100	6	
1,4-Diethylbenzene	1.6084	1.7218	107.05	100	7	
n-Butylbenzene	1.2355	1.2703	102.82	100	3	
1,2-Dichlorobenzene	1.3878	1.3618	98.13	100	-2	
1,2-Diethylbenzene	1.3029	1.3934	106.94	100	7	
1,2-Dibromo-3-Chloropropane	0.2359	0.2488	105.48	100	5	
1,2,4-Trichlorobenzene	1.0191	0.9951	97.64	100	-2	
Hexachlorobutadiene	0.3952	0.3838	97.12	100	-3	
Naphthalene	3.0623	3.0804	100.59	100	1	
1,2,3-Trichlorobenzene	0.9856	0.9287	94.23	100	-6	
Dibromofluoromethane	0.2754	0.2556	46.41	50	-7	
Dibromofluoromethane(mz111)	0.2812	0.2605	46.33	50	-7	
1,2-Dichloroethane-d4	0.0630	0.0553	43.91	50	-12	
1,2-Dichloroethane-d4(mz104)	0.0398	0.0358	45.00	50	-10	
Toluene-d8	1.4500	1.3176	45.43	50	-9	

8206

Minimum RRF for SPCC(#)=0.10 (0.30 for Chlorobenzene, 1,1,2,2-Tetrachloroethane)
Maximum %Drift for CCC(*)=20%

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Instrument ID: HP09915 Calibration Date: 06/13/06 Time: 21:12

Lab File ID: lu13c02.d Init. Calib. Date(s): 06/06/06 06/06/06

Matrix: (soil/water) WATER Level: (low/med) LOW GC Column: DB-624 ID: .25

COMPOUND	RRF	RRF100	ACTUAL CONC.	TRUE CONC.	% DRIFT
Toluene-d8(mz100)	0.9123	0.8339	45.70	50	-9
4-Bromofluorobenzene	0.6455	0.5451	42.23	50	-16
4-Bromofluorobenzene(mz174)	0.5232	0.4302	41.11	50	-18

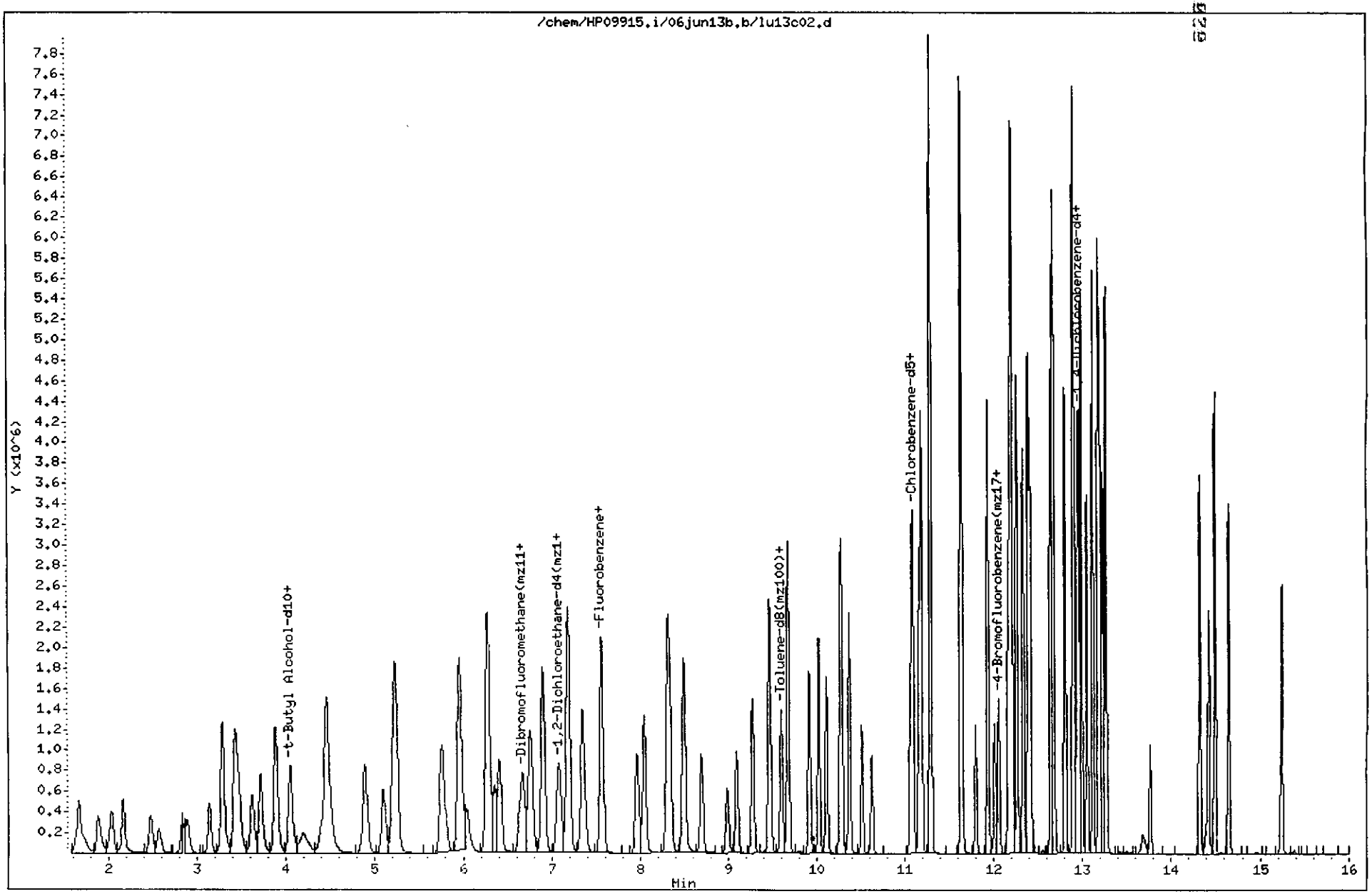
Average %Drift 7

6287

Minimum RRF for SPCC(#)=0.10 (0.30 for Chlorobenzene, 1,1,2,2-Tetrachloroethane)
Maximum %Drift for CCC(*)=20%

Data File: /chem/HP09915.i/06jun13b.b/lu13c02.d
Date : 13-JUN-2006 21:12
Client ID: VSTD100
Sample Info: VSTD100;VSTD100;1;2;;;
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP09915.i
Operator: LCH01518
Column diameter: 0.25



Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun13b.b/lu13c02.d Instrument ID: HP09915.i
Injection date and time: 13-JUN-2006 21:12 Analyst ID: LCM01518

Method used: /chem/HP09915.i/06jun13b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 13-Jun-2006 21:37 lcm01518

Sample Name: VSTD100 Lab Sample ID: VSTD100

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
1) Dichlorodifluoromethane	(1)	1.880	85	864909	115.225
2) Chloromethane	(1)	2.032	50	774513	106.321
3) Vinyl Chloride	(1)	2.167	62	728086	109.698
6) Bromomethane	(1)	2.472	94	418964	97.137
7) Chloroethane	(1)	2.565	64	345033	99.163
8) Trichlorofluoromethane	(1)	2.884	101	852289	110.086
10) Ethyl Ether	(1)	3.134	59	398639	91.669
15) Acrolein	(1)	3.286	56	1797316	1091.515
16) 1,1-Dichloroethene	(1)	3.421	96	461618	98.289
17) Freon 113	(1)	3.456	101	496520	100.961
18) Acetone	(1)	3.462	58	181454	190.105
20) Methyl Iodide	(1)	3.617	142	830630	94.588
21) 2-Propanol	(1)	3.633	45	410312	608.405
22) Carbon Disulfide	(1)	3.713	76	1651205	94.843
23) Allyl Chloride	(1)	3.877	41	1101447	109.001
25) Methyl Acetate	(1)	3.896	43	782876	108.121
26) Methylene Chloride	(1)	4.044	84	559126	97.232
27) *t-Butyl Alcohol-d10	(4)	4.070	65	243900	250.000
28) t-Butyl Alcohol	(4)	4.195	59	537517	482.999
29) Acrylonitrile	(1)	4.392	53	367502	99.972
30) trans-1,2-Dichloroethene	(1)	4.456	96	529924	102.833
31) Methyl Tertiary Butyl Ether	(1)	4.466	73	1737412	102.822
33) n-Hexane	(1)	4.890	57	788956	101.619
40) 1,2-Dichloroethene (total)	(1)		96	1117080	209.374
36) 1,1-Dichloroethane	(1)	5.093	63	1067325	105.610
37) di-Isopropyl Ether	(1)	5.215	45	2252502	108.454
39) 2-Chloro-1,3-Butadiene	(1)	5.240	53	959598	114.926
41) Ethyl t-Butyl Ether	(1)	5.761	59	1799220	105.048
42) cis-1,2-Dichloroethene	(1)	5.954	96	587156	106.540
43) 2-Butanone	(1)	5.970	72	231825	197.080
44) 2,2-Dichloropropane	(1)	5.964	77	783626	107.328
45) Propionitrile	(1)	6.044	54	781973	552.797
46) Methacrylonitrile	(1)	6.273	67	949584	279.854
47) Bromochloromethane	(1)	6.292	128	310344	107.591

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun13b.b/lu13c02.d Instrument ID: HP09915.i
Injection date and time: 13-JUN-2006 21:12 Analyst ID: LCM01518

Method used: /chem/HP09915.i/06jun13b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 13-Jun-2006 21:37 lcm01518

Sample Name: VSTD100 Lab Sample ID: VSTD100

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
48) Tetrahydrofuran	(1)	6.356	42	709984	200.860
49) Chloroform	(1)	6.414	83	1014186	109.472
54) 1,1,1-Trichloroethane	(1)	6.678	97	841771	106.787
55) Cyclohexane	(1)	6.764	56	1037165	106.427
58) 1,1-Dichloropropene	(1)	6.903	75	801014	109.759
59) Carbon Tetrachloride	(1)	6.909	117	764262	108.301
60) Isobutyl Alcohol	(1)	7.070	41	606504	1409.114
63) Benzene	(1)	7.186	78	2327304	106.530
64) 1,2-Dichloroethane	(1)	7.199	62	925168	110.353
67) t-Amyl Methyl Ether	(1)	7.350	73	1583958	105.449
69) n-Heptane	(1)	7.568	100	109499	106.365
70)*Fluorobenzene	(1)	7.562	96	1070164	50.000
72) n-Butanol	(1)	7.964	56	921866	2817.329
73) Trichloroethene	(1)	8.047	95	596949	106.334
77) 1,2-Dichloropropane	(1)	8.340	63	693999	111.269
74) Methylcyclohexane	(1)	8.314	83	998885	119.967
80) Methyl Methacrylate	(1)	8.504	69	631337	113.303
79) Dibromomethane	(1)	8.488	93	432219	111.301
81) 1,4-Dioxane	(1)	8.517	88	132594	1538.472
82) Bromodichloromethane	(1)	8.697	83	811919	116.102
83) 2-Nitropropane	(1)	8.989	41	531159	206.922
84) 2-Chloroethyl Vinyl Ether	(1)	9.099	63	553120	114.389
85) cis-1,3-Dichloropropene	(1)	9.279	75	1037831	111.026
87) 4-Methyl-2-Pentanone	(1)	9.469	43	2229508	195.702
90) Toluene	(2)	9.674	92	1421019	103.285
91) trans-1,3-Dichloropropene	(2)	9.915	75	1015236	117.509
92) Ethyl Methacrylate	(2)	10.025	69	1083358	112.461
93) 1,1,2-Trichloroethane	(2)	10.112	97	566716	105.078
94) Tetrachloroethene	(2)	10.269	166	593510	100.326
95) 1,3-Dichloropropane	(2)	10.285	76	1055927	107.263
96) 2-Hexanone	(2)	10.369	43	1688962	175.293
98) Dibromochloromethane	(2)	10.514	129	644233	106.771
100) 1,2-Dibromoethane	(2)	10.623	107	648906	105.920
101)*Chlorobenzene-d5	(2)	11.063	117	814406	50.000

8210

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun13b.b/lu13c02.d Instrument ID: HP09915.i
Injection date and time: 13-JUN-2006 21:12 Analyst ID: LCM01518

Method used: /chem/HP09915.i/06jun13b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 13-Jun-2006 21:37 lcm01518

Sample Name: VSTD100 Lab Sample ID: VSTD100

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
102) Chlorobenzene	(2)	11.089	112	1624853	102.881
103) 1,1,1,2-Tetrachloroethane	(2)	11.163	131	578529	105.892
104) Ethylbenzene	(2)	11.186	91	2776186	104.586
105) m+p-Xylene	(2)	11.292	106	2155463	207.124
106) Xylene (Total)	(2)		106	3204124	312.610
107) o-Xylene	(2)	11.632	106	1048661	105.486
108) Styrene	(2)	11.639	104	1816583	108.924
109) Bromoform	(2)	11.796	173	509546	109.036
111) Isopropylbenzene	(2)	11.935	105	2562217	101.930
115) Cyclohexanone	(2)	12.012	55	546746	1326.858
116) 1,1,2,2-Tetrachloroethane	(3)	12.163	83	995691	103.809
118) trans-1,4-Dichloro-2-Butene	(3)	12.205	53	895112	264.105
117) Bromobenzene	(3)	12.185	156	713994	101.395
119) 1,2,3-Trichloropropane	(3)	12.202	110	277040	105.312
120) n-Propylbenzene	(3)	12.259	120	741482	98.521
122) 2-Chlorotoluene	(3)	12.333	126	662526	100.131
123) 1,3,5-Trimethylbenzene	(3)	12.388	120	1097705	100.609
125) 4-Chlorotoluene	(3)	12.414	126	698312	100.042
126) tert-Butylbenzene	(3)	12.642	134	483293	101.819
127) Pentachloroethane	(3)	12.665	167	484302	108.858
128) 1,2,4-Trimethylbenzene	(3)	12.674	105	2317713	101.219
129) sec-Butylbenzene	(3)	12.803	134	545226	101.317
130) p-Isopropyltoluene	(3)	12.902	134	644139	102.335
131) 1,3-Dichlorobenzene	(3)	12.896	146	1318495	99.138
132) *1,4-Dichlorobenzene-d4	(3)	12.941	152	473061	50.000
133) 1,4-Dichlorobenzene	(3)	12.957	146	1365617	97.320
134) 1,2,3-Trimethylbenzene	(3)	12.989	120	1109088	105.381
135) Benzyl Chloride	(3)	13.050	91	2075454	110.418
136) 1,3-Diethylbenzene	(3)	13.115	119	1551674	106.486
137) 1,4-Diethylbenzene	(3)	13.179	119	1629012	107.047
138) n-Butylbenzene	(3)	13.198	92	1201854	102.818
139) 1,2-Dichlorobenzene	(3)	13.230	146	1288445	98.131
140) 1,2-Diethylbenzene	(3)	13.266	119	1318326	106.945
141) 1,2-Dibromo-3-Chloropropane	(3)	13.764	75	235426	105.481

0211

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun13b.b/lu13c02.d Instrument ID: HP09915.i
Injection date and time: 13-JUN-2006 21:12 Analyst ID: LCM01518

Method used: /chem/HP09915.i/06jun13b.b/L8260W.m Sublist used: 8260WI+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 13-Jun-2006 21:37 lcm01518

Sample Name: VSTD100 Lab Sample ID: VSTD100

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
142) 1,2,4-Trichlorobenzene	(3)	14.324	180	941512	97.644
143) Hexachlorobutadiene	(3)	14.427	225	363092	97.119
144) Naphthalene	(3)	14.494	128	2914399	100.589
145) 1,2,3-Trichlorobenzene	(3)	14.648	180	878634	94.226
51)$Dibromofluoromethane	(1)	6.636	113	273584	46.409
52)$Dibromofluoromethane(mz111)	(1)	6.636	111	278796	46.328
62)$1,2-Dichloroethane-d4	(1)	7.099	102	59191	43.908
61)$1,2-Dichloroethane-d4(mz104)	(1)	7.092	104	38356	45.001
89)$Toluene-d8	(2)	9.600	98	1073034	45.434
88)$Toluene-d8(mz100)	(2)	9.600	100	679162	45.705
113)$4-Bromofluorobenzene	(2)	12.057	95	443946	42.225
112)$4-Bromofluorobenzene(mz174)	(2)	12.057	174	350329	41.107

$ = Compound is a surrogate standard.

8212

Raw QC Data

Data File: /chem/HP09915.i/06jun06b.b/lu06t03.d

Date : 06-JUN-2006 16:40

Client ID: 2UL BFBFEB23

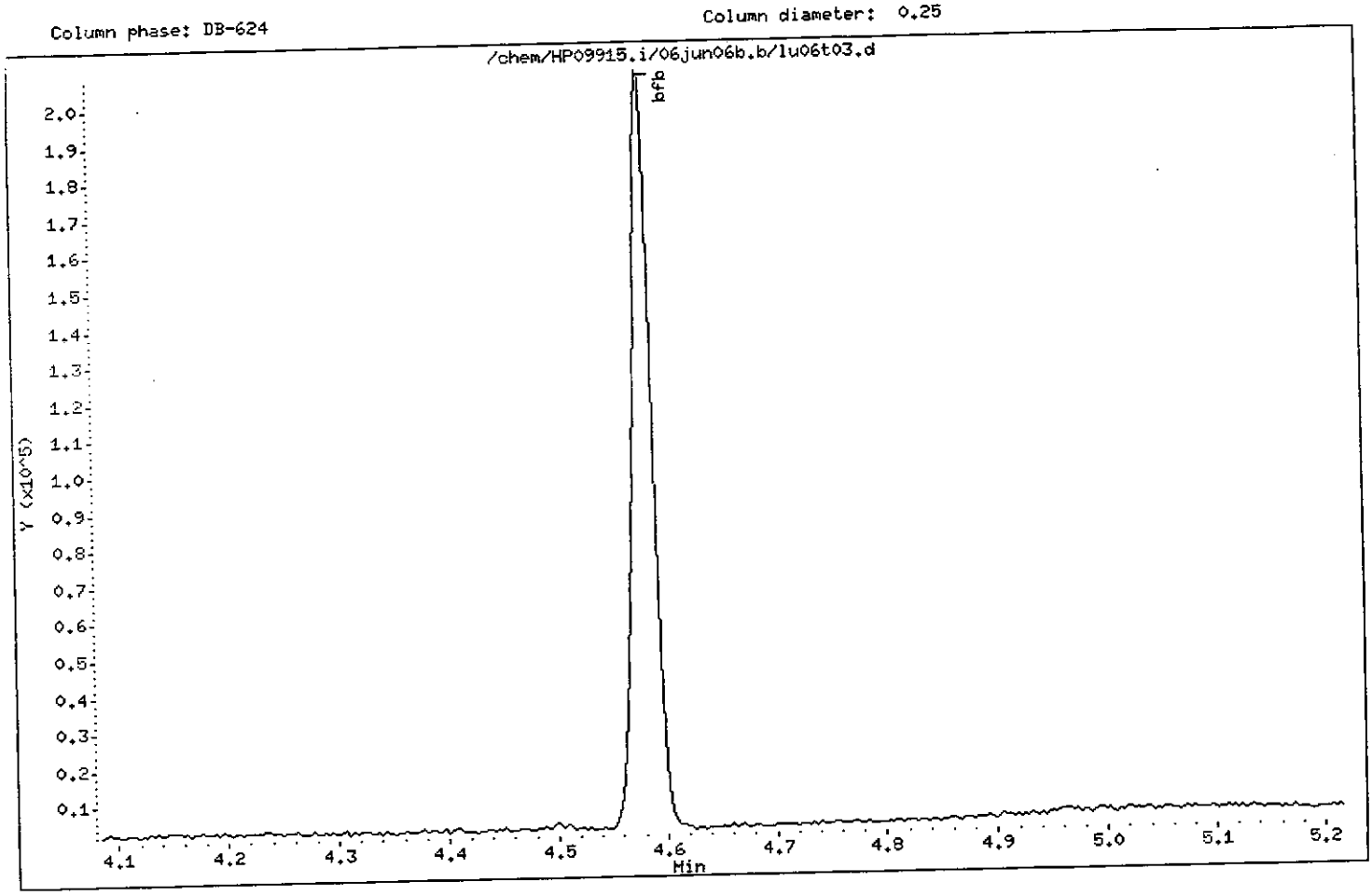
Instrument: HP09915.i

Sample Info: 2UL BFBFEB23;50 NG BFB;1;3;;;

Operator: KEB01027

Column phase: DB-624

Column diameter: 0.25



KEB1027 6/6/06

Data File: /chem/HP09915.i/06jun06b.b/lu06t03.d

Date : 06-JUN-2006 16:40

Client ID: 2UL BFBFEB23

Instrument: HP09915.i

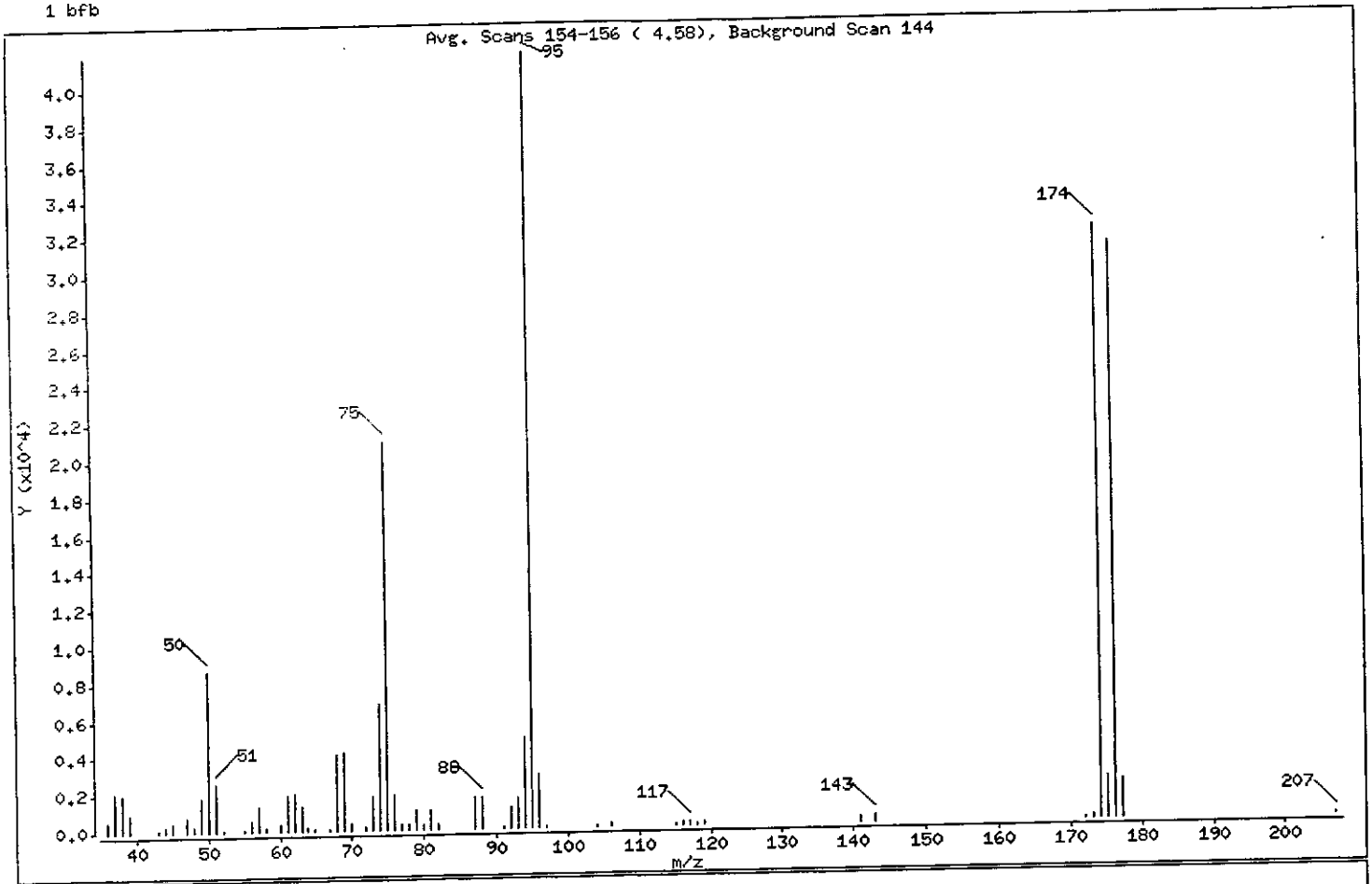
Sample Info: 2UL BFBFEB23;50 NG BFB;1;3;;;

Operator: KEB01027

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.58
75	30.00 - 60.00% of mass 95	50.21
96	5.00 - 9.00% of mass 95	6.88
173	Less than 2.00% of mass 174	0.40 (0.52)
174	50.00 - 100.00% of mass 95	76.62
175	5.00 - 9.00% of mass 174	5.43 (7.08)
176	95.00 - 101.00% of mass 174	74.59 (97.35)
177	5.00 - 9.00% of mass 176	4.97 (6.66)

Data File: /chem/HP09915.i/06jun06b.b/lu06t03.d

Date : 06-JUN-2006 16:40

Client ID: 2UL BFBFEB23

Instrument: HP09915.i

Sample Info: 2UL BFBFEB23;50 NG BFB;1;3;;;

Operator: KEB01027

Column phase: DB-624

Column diameter: 0.25

Data File: lu06t03.d

Spectrum: Avg. Scans 154-156 (4.58), Background Scan 144

Location of Maximum: 95.00

Number of points: 63

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	570	58.00	216	77.00	300	106.00	183
37.00	2159	60.00	430	78.00	250	115.00	63
38.00	1997	61.00	1940	79.00	1019	116.00	146
39.00	975	62.00	2016	80.00	276	117.00	196
43.00	69	63.00	1329	81.00	1032	118.00	50
44.00	283	64.00	168	82.00	299	119.00	145
45.00	524	65.00	112	87.00	1707	141.00	333
47.00	754	67.00	56	88.00	1752	143.00	401
48.00	260	68.00	4159	91.00	69	172.00	123
49.00	1863	69.00	4222	92.00	1166	173.00	168
50.00	8605	70.00	378	93.00	1633	174.00	32040
51.00	2553	72.00	232	94.00	4890	175.00	2270
52.00	119	73.00	1843	95.00	41816	176.00	31192
55.00	52	74.00	6808	96.00	2875	177.00	2077
56.00	611	75.00	20992	97.00	59	207.00	52
57.00	1298	76.00	1902	104.00	54		

Data File: /chem/HP09915.i/06jun12a.b/lu13t01.d

Date : 13-JUN-2006 08:05

Client ID: 2UL BFBFEB23

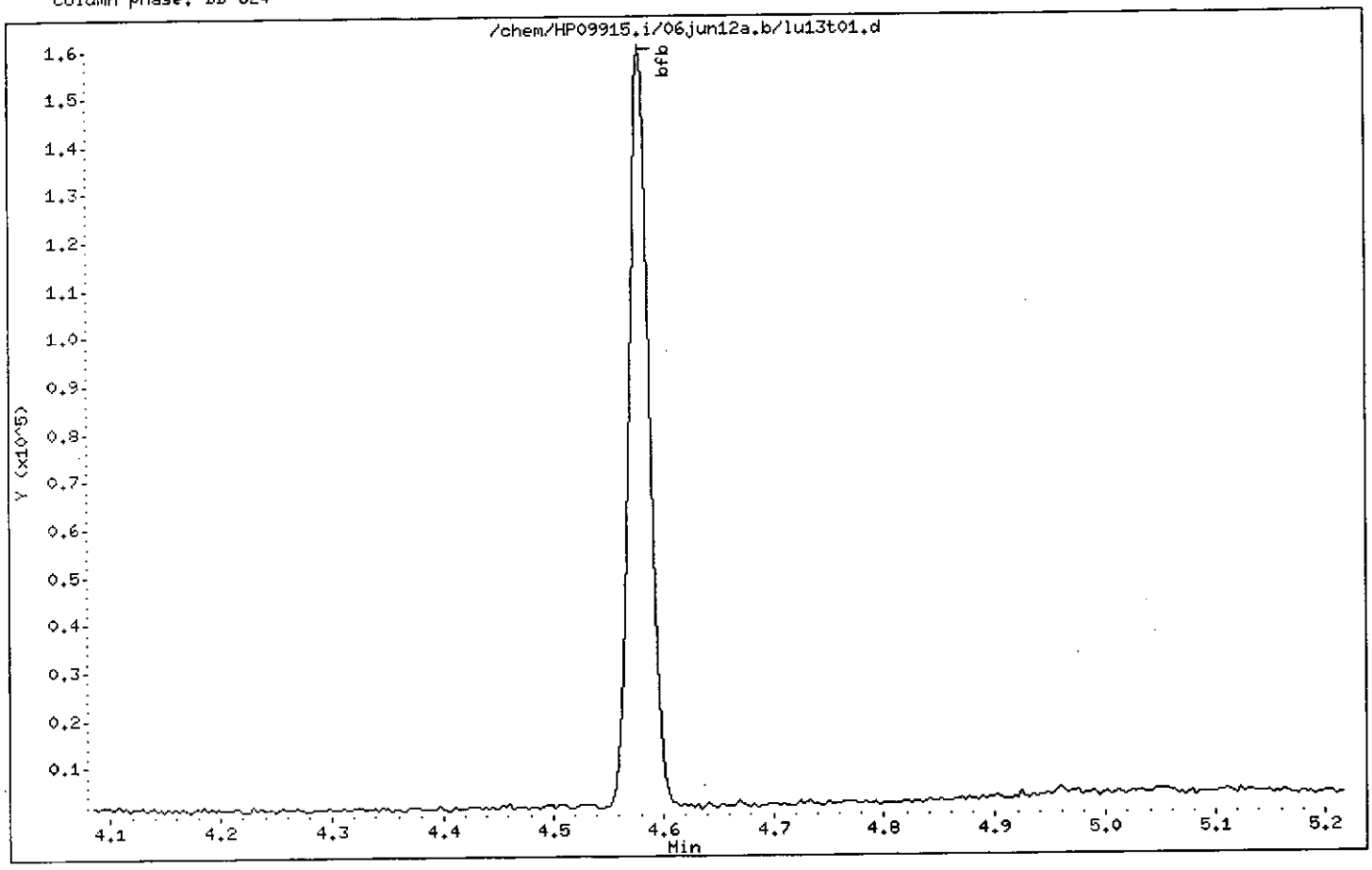
Instrument: HP09915.i

Sample Info: 2UL BFBFEB23;50 NG BFB;1;3;;;

Operator: ADS01731

Column phase: DB-624

Column diameter: 0.25



6/13/06

Data File: /chem/HP09915.i/06jun12a.b/lu13t01.d

Date : 13-JUN-2006 08:05

Client ID: 2UL BFBFEB23

Instrument: HP09915.i

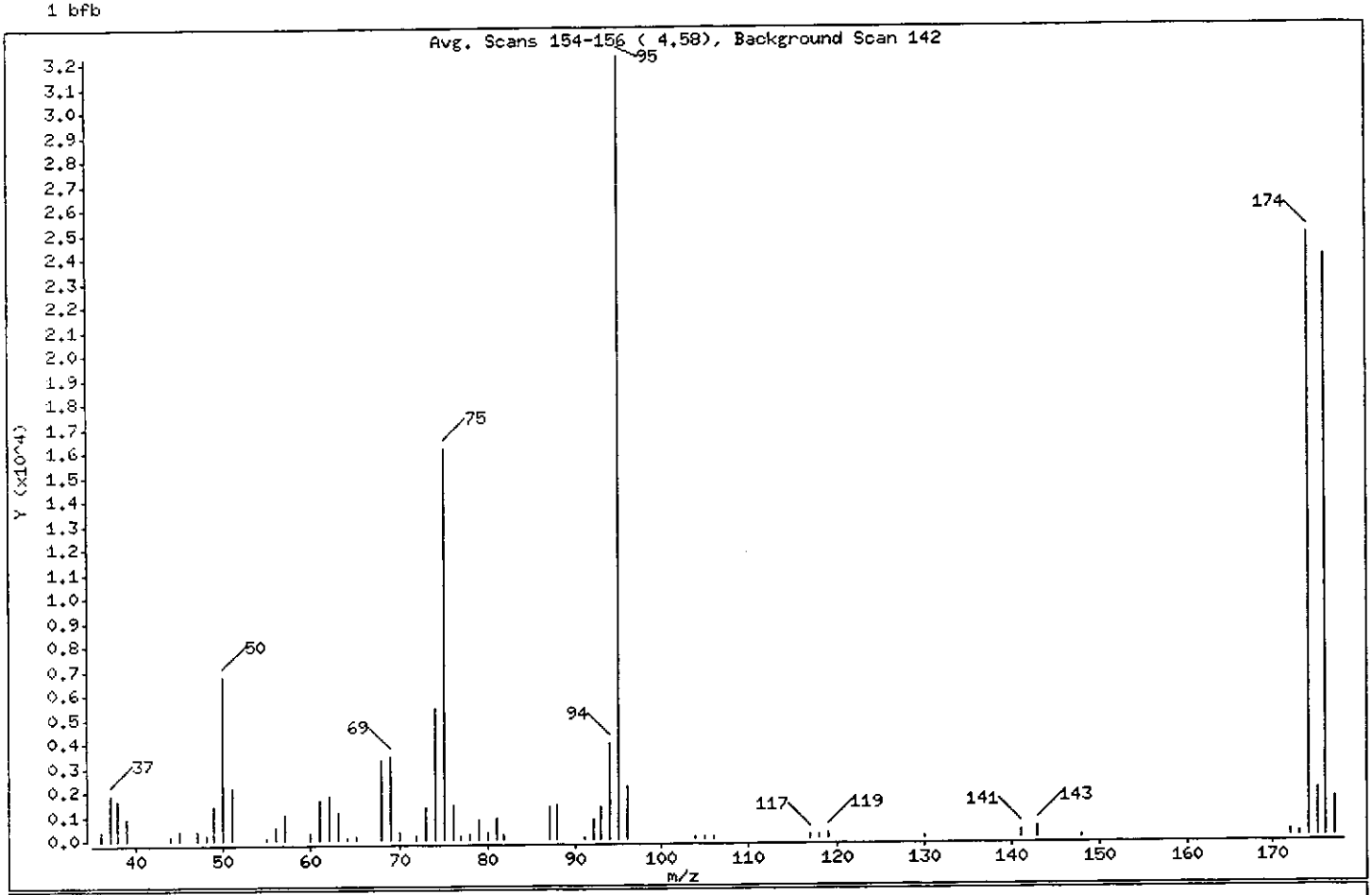
Sample Info: 2UL BFBFEB23;50 NG BFB;1;3;;;

Operator: ADS01731

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.93
75	30.00 - 60.00% of mass 95	50.20
96	5.00 - 9.00% of mass 95	6.72
173	Less than 2.00% of mass 174	0.56 (0.73)
174	50.00 - 100.00% of mass 95	77.09
175	5.00 - 9.00% of mass 174	5.86 (7.60)
176	95.00 - 101.00% of mass 174	74.23 (96.30)
177	5.00 - 9.00% of mass 176	4.78 (6.45)

Data File: /chem/HP09915.i/06jun12a.b/lu13t01.d

Date : 13-JUN-2006 08:05

Client ID: 2UL BFBFEB23

Instrument: HP09915.i

Sample Info: 2UL BFBFEB23;50 NG BFB;1;3;;;

Operator: ADS01731

Column phase: DB-624

Column diameter: 0.25

Data File: lu13t01.d

Spectrum: Avg. Scans 154-156 (4.58), Background Scan 142

Location of Maximum: 95.00

Number of points: 58

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	400	61.00	1659	79.00	819	117.00	163
37.00	1818	62.00	1754	80.00	273	118.00	116
38.00	1603	63.00	1106	81.00	890	119.00	201
39.00	880	64.00	68	82.00	186	130.00	79
44.00	123	65.00	112	87.00	1315	141.00	311
45.00	362	68.00	3284	88.00	1389	143.00	436
47.00	405	69.00	3434	91.00	108	148.00	54
48.00	205	70.00	284	92.00	814	172.00	214
49.00	1388	72.00	154	93.00	1350	173.00	181
50.00	6746	73.00	1352	94.00	3925	174.00	24840
51.00	2132	74.00	5388	95.00	32224	175.00	1889
55.00	58	75.00	16178	96.00	2167	176.00	23920
56.00	534	76.00	1412	104.00	100	177.00	1542
57.00	1038	77.00	165	105.00	57		
60.00	268	78.00	227	106.00	58		

Data File: /chem/HP09915.i/06jun13b.b/lu13t04.d

Date : 13-JUN-2006 20:50

Client ID: 2UL BFBFEB23

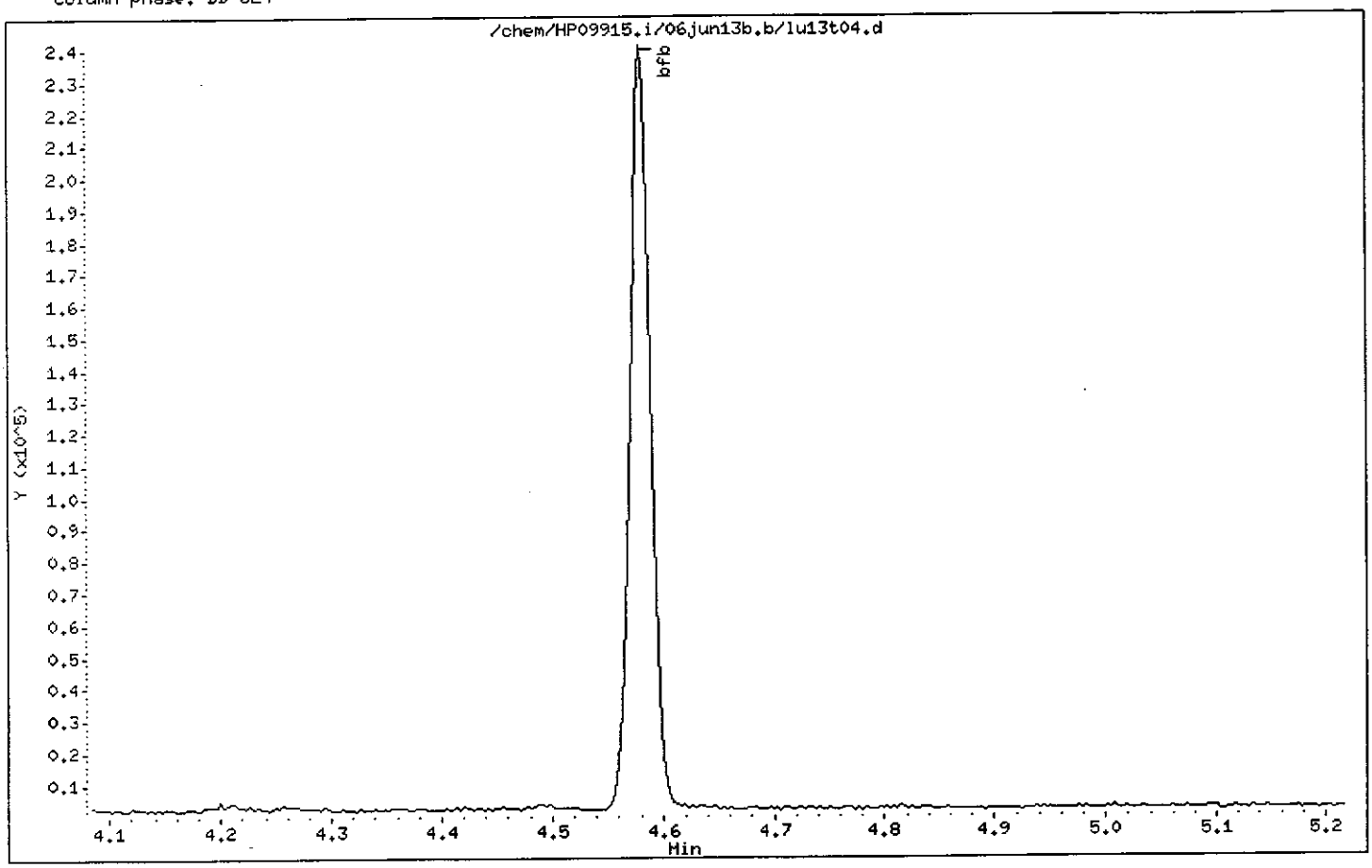
Instrument: HP09915.i

Sample Info: 2UL BFBFEB23;50 NG BFB;1;3;;;

Operator: LCM01518

Column phase: DB-624

Column diameter: 0.25



6/13/06

6220

Data File: /chem/HP09915.i/06jun13b.b/lu13t04.d

Date : 13-JUN-2006 20:50

Client ID: 2UL BFBFEB23

Instrument: HP09915.i

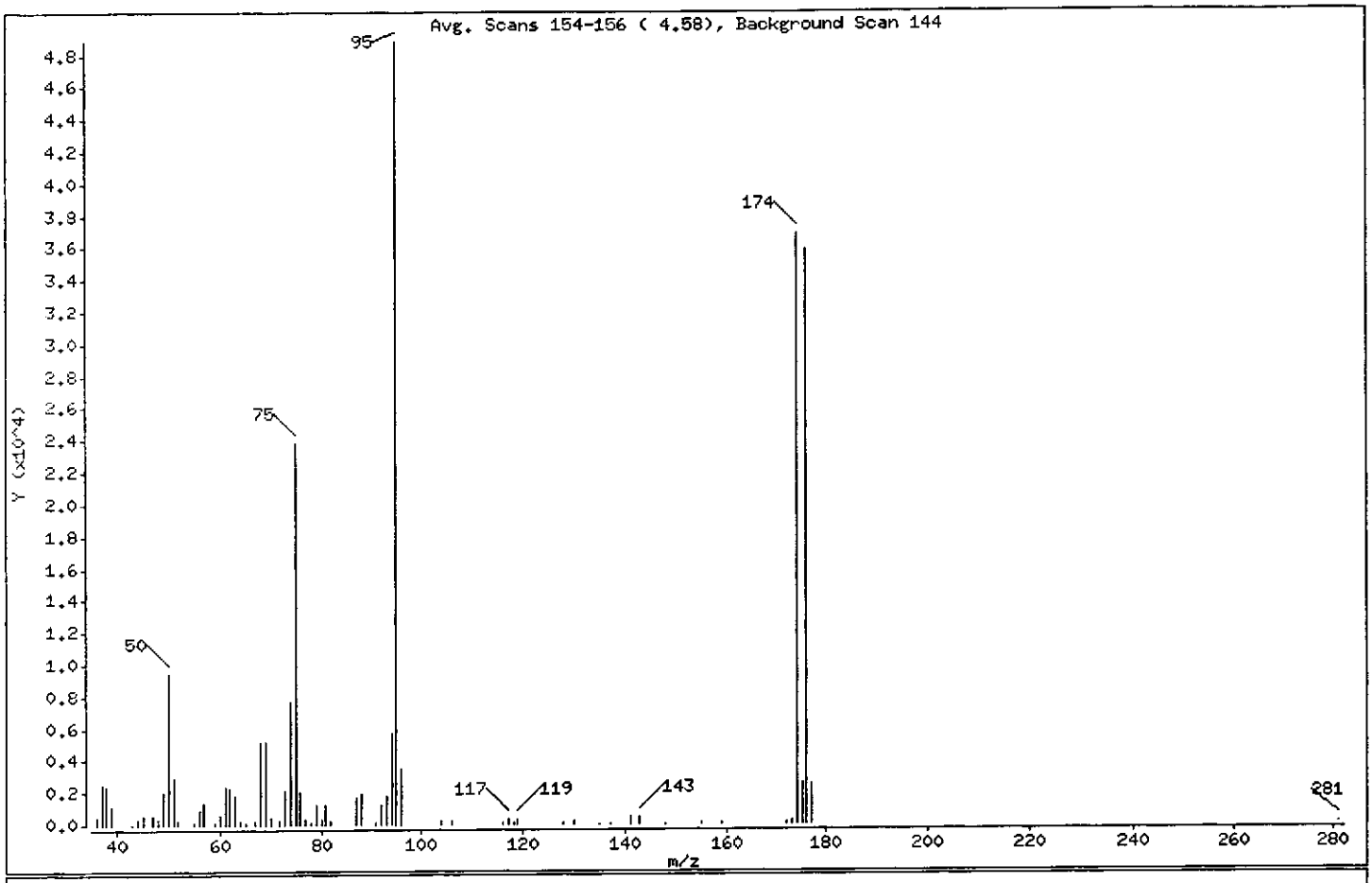
Sample Info: 2UL BFBFEB23;50 NG BFB;1;3;;;

Operator: LCH01518

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.41
75	30.00 - 60.00% of mass 95	48.83
96	5.00 - 9.00% of mass 95	7.11
173	Less than 2.00% of mass 174	0.54 (0.72)
174	50.00 - 100.00% of mass 95	75.36
175	5.00 - 9.00% of mass 174	5.33 (7.07)
176	95.00 - 101.00% of mass 174	73.25 (97.20)
177	5.00 - 9.00% of mass 176	5.08 (6.94)

Data File: /chem/HP09915.i/06jun13b.b/lu13t04.d

Date : 13-JUN-2006 20:50

Client ID: 2UL BFBFEB23

Instrument: HP09915.i

Sample Info: 2UL BFBFEB23;50 NC BFB;1;3;;;

Operator: LCH01518

Column phase: DB-624

Column diameter: 0.25

Data File: lu13t04.d

Spectrum: Avg. Scans 154-156 (4.58), Background Scan 144

Location of Maximum: 95.00

Number of points: 68

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	502	61.00	2375	81.00	1203	135.00	51
37.00	2427	62.00	2295	82.00	229	137.00	50
38.00	2360	63.00	1783	87.00	1735	141.00	418
39.00	1134	64.00	224	88.00	1862	143.00	500
43.00	16	65.00	156	91.00	83	148.00	51
44.00	300	67.00	207	92.00	1190	155.00	61
45.00	513	68.00	5136	93.00	1841	159.00	67
47.00	577	69.00	5130	94.00	5737	172.00	144
48.00	285	70.00	443	95.00	48848	173.00	266
49.00	2014	72.00	237	96.00	3475	174.00	36816
50.00	9480	73.00	2089	104.00	175	175.00	2602
51.00	2918	74.00	7634	106.00	231	176.00	35784
52.00	244	75.00	23848	116.00	90	177.00	2484
55.00	142	76.00	2053	117.00	325	281.00	54
56.00	921	77.00	370	118.00	125		
57.00	1294	78.00	164	119.00	291		
59.00	111	79.00	1201	128.00	133		
60.00	536	80.00	314	130.00	225		

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKL28

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: VBLKL28

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13a.b/lu13b03.d

Level: (low/med) LOW Date Received:

Moisture: not dec. _____ Date Analyzed: 06/13/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
60-29-7	Ethyl Ether	5	U
107-02-8	Acrolein	100	U
75-35-4	1,1-Dichloroethene	5	U
76-13-1	Freon 113	10	U
67-64-1	Acetone	20	U
74-88-4	Methyl Iodide	5	U
67-63-0	2-Propanol	100	U
75-15-0	Carbon Disulfide	5	U
107-05-1	Allyl Chloride	5	U
79-20-9	Methyl Acetate	5	U
75-09-2	Methylene Chloride	5	U
75-65-0	t-Butyl Alcohol	80	U
107-13-1	Acrylonitrile	20	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl Tertiary Butyl Ether	5	U
110-54-3	n-Hexane	5	U
75-34-3	1,1-Dichloroethane	5	U
108-20-3	di-Isopropyl Ether	5	U
126-99-8	2-Chloro-1,3-Butadiene	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
637-92-3	Ethyl t-Butyl Ether	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
78-93-3	2-Butanone	10	U
594-20-7	2,2-Dichloropropane	5	U

0223

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKL28

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: VBLKL28

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13a.b/1u13b03.d

Level: (low/med) LOW Date Received:

Moisture: not dec. _____ Date Analyzed: 06/13/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	MDL ug/L	Q
107-12-0	Propionitrile		30	U
126-98-7	Methacrylonitrile		10	U
74-97-5	Bromochloromethane		1	U
109-99-9	Tetrahydrofuran		4	U
67-66-3	Chloroform		0.8	U
71-55-6	1,1,1-Trichloroethane		0.8	U
110-82-7	Cyclohexane		2	U
563-58-6	1,1-Dichloropropene		1	U
56-23-5	Carbon Tetrachloride		1	U
78-83-1	Isobutyl Alcohol		100	U
71-43-2	Benzene		0.5	U
107-06-2	1,2-Dichloroethane		1	U
994-05-8	t-Amyl Methyl Ether		0.8	U
142-82-5	n-Heptane		2	U
71-36-3	n-Butanol		100	U
79-01-6	Trichloroethene		1	U
108-87-2	Methylcyclohexane		1	U
78-87-5	1,2-Dichloropropane		1	U
74-95-3	Dibromomethane		1	U
80-62-6	Methyl Methacrylate		1	U
123-91-1	1,4-Dioxane		70	U
75-27-4	Bromodichloromethane		1	U
79-46-9	2-Nitropropane		2	U
110-75-8	2-Chloroethyl Vinyl Ether		2	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		3	U
108-88-3	Toluene		0.7	U
10061-02-6	trans-1,3-Dichloropropene		1	U
97-63-2	Ethyl Methacrylate		1	U
79-00-5	1,1,2-Trichloroethane		0.8	U

0224

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKL28

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: VBLKL28

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13a.b/lu13b03.d

Level: (low/med) LOW Date Received:

Moisture: not dec. _____ Date Analyzed: 06/13/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	MDL ug/L	Q
127-18-4	Tetrachloroethene		0.8	U
142-28-9	1,3-Dichloropropane		1	U
591-78-6	2-Hexanone		3	U
124-48-1	Dibromochloromethane		1	U
106-93-4	1,2-Dibromoethane		1	U
108-90-7	Chlorobenzene		0.8	U
630-20-6	1,1,1,2-Tetrachloroethane		1	U
100-41-4	Ethylbenzene		0.8	U
1330-20-7	m+p-Xylene		0.8	U
1330-20-7	Xylene (Total)		0.8	U
95-47-6	o-Xylene		0.8	U
100-42-5	Styrene		1	U
75-25-2	Bromoform		1	U
98-82-8	Isopropylbenzene		1	U
108-94-1	Cyclohexanone		55	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
108-86-1	Bromobenzene		1	U
110-57-6	trans-1,4-Dichloro-2-Butene		15	U
96-18-4	1,2,3-Trichloropropane		1	U
103-65-1	n-Propylbenzene		1	U
95-49-8	2-Chlorotoluene		1	U
108-67-8	1,3,5-Trimethylbenzene		1	U
106-43-4	4-Chlorotoluene		1	U
98-06-6	tert-Butylbenzene		1	U
76-01-7	Pentachloroethane		1	U
95-63-6	1,2,4-Trimethylbenzene		1	U
135-98-8	sec-Butylbenzene		1	U
99-87-6	p-Isopropyltoluene		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U

6225

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKL28

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: VBLKL28

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13a.b/lu13b03.d

Level: (low/med) LOW Date Received:

Moisture: not dec. _____ Date Analyzed: 06/13/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	MDL ug/L	Q
526-73-8	1,2,3-Trimethylbenzene		1	U
100-44-7	Benzyl Chloride		1	U
141-93-5	1,3-Diethylbenzene		1	U
105-05-5	1,4-Diethylbenzene		1	U
104-51-8	n-Butylbenzene		1	U
95-50-1	1,2-Dichlorobenzene		1	U
135-01-3	1,2-Diethylbenzene		1	U
96-12-8	1,2-Dibromo-3-Chloropropane		2	U
120-82-1	1,2,4-Trichlorobenzene		1	U
87-68-3	Hexachlorobutadiene		2	U
91-20-3	Naphthalene		1	U
87-61-6	1,2,3-Trichlorobenzene		1	U
25340-17-4	Diethylbenzene (total)		1	U

6226

FORM I VOA

VBLKL28

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

VBLKL28

File: /chem/HP09915.i/06jun13a.b/lu13b03.d
Sample: VBLKL28;VBLKL28;1;3;;;;
Injected At:13-JUN-2006 16:42
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference:
Sublist: 8260W+CYC

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AA
Analyst:ADS01731
Instrument ID:HP09915.i
Standard Reference: lu13c01.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:

Internal Standards	RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
27) t-Butyl Alcohol-d10	4.076(-0.010)	776	65	219917(-10)	250.00	
70) Fluorobenzene	7.559(0.000)	1859	96	1057177(1)	50.00	
101) Chlorobenzene-d5	11.063(-0.003)	2949	117	802022(2)	50.00	
132) 1,4-Dichlorobenzene-d4	12.941(0.000)	3533	152	433965(-4)	50.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
51) Dibromofluoromethane	(1)	6.636(-0.001)	113	269580	46.292	93%		80 - 116
62) 1,2-Dichloroethane-d4	(1)	7.102(-0.002)	102	59566	44.729	89%		77 - 113
89) Toluene-d8	(2)	9.600(0.000)	98	1046748	45.005	90%		80 - 113
113) 4-Bromofluorobenzene	(2)	12.057(0.000)	95	409561	39.556	79%		78 - 113

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
1) Dichlorodifluoromethane	(1)				ND	ND			2.00	5.00
2) Chloromethane	(1)				ND	ND			1.00	5.00
3) Vinyl Chloride	(1)				ND	ND			1.00	5.00
6) Bromomethane	(1)				ND	ND			1.00	5.00
7) Chloroethane	(1)				ND	ND			1.00	5.00
8) Trichlorofluoromethane	(1)				ND	ND			2.00	5.00
10) Ethyl Ether	(1)				ND	ND			2.00	5.00
15) Acrolein	(1)				ND	ND			40.00	100.00
16) 1,1-Dichloroethene	(1)				ND	ND			0.80	5.00
17) Freon 113	(1)				ND	ND			2.00	10.00
18) Acetone	(1)				ND	ND			6.00	20.00
20) Methyl Iodide	(1)				ND	ND			1.00	5.00
21) 2-Propanol	(1)				ND	ND			50.00	100.00
22) Carbon Disulfide	(1)				ND	ND			1.00	5.00
23) Allyl Chloride	(1)				ND	ND			1.00	5.00
25) Methyl Acetate	(1)				ND	ND			1.00	5.00
26) Methylene Chloride	(1)				ND	ND			2.00	5.00
28) t-Butyl Alcohol	(4)				ND	ND			10.00	80.00
29) Acrylonitrile	(1)				ND	ND			4.00	20.00
30) trans-1,2-Dichloroethene	(1)				ND	ND			0.80	5.00
31) Methyl Tertiary Butyl Ether	(1)				ND	ND			0.50	5.00
33) n-Hexane	(1)				ND	ND			2.00	5.00
40) 1,2-Dichloroethene (total)	(1)				ND	ND			0.80	5.00
36) 1,1-Dichloroethane	(1)				ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

VBLKL28

File: /chem/HP09915.i/06jun13a.b/lu13b03.d
Sample: VBLKL28;VBLKL28;1;3;;;;
Injected At:13-JUN-2006 16:42
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference:
Sublist: 8260W+CYC

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:**L061642AA**
Analyst:**ADS01731**
Instrument ID:**HP09915.i**
Standard Reference: lu13c01.d
Prep Factor:**1.00**
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
37) di-Isopropyl Ether	(1)					ND	ND			0.80	5.00
39) 2-Chloro-1,3-Butadiene	(1)					ND	ND			1.00	5.00
41) Ethyl t-Butyl Ether	(1)					ND	ND			0.80	5.00
42) cis-1,2-Dichloroethene	(1)					ND	ND			0.80	5.00
43) 2-Butanone	(1)					ND	ND			3.00	10.00
44) 2,2-Dichloropropane	(1)					ND	ND			1.00	5.00
45) Propionitrile	(1)					ND	ND			30.00	100.00
46) Methacrylonitrile	(1)					ND	ND			10.00	50.00
47) Bromochloromethane	(1)					ND	ND			1.00	5.00
48) Tetrahydrofuran	(1)					ND	ND			4.00	10.00
49) Chloroform	(1)					ND	ND			0.80	5.00
54) 1,1,1-Trichloroethane	(1)					ND	ND			0.80	5.00
55) Cyclohexane	(1)					ND	ND			2.00	5.00
58) 1,1-Dichloropropene	(1)					ND	ND			1.00	5.00
59) Carbon Tetrachloride	(1)					ND	ND			1.00	5.00
60) Isobutyl Alcohol	(1)					ND	ND			100.00	250.00
63) Benzene	(1)					ND	ND			0.50	5.00
64) 1,2-Dichloroethane	(1)					ND	ND			1.00	5.00
67) t-Amyl Methyl Ether	(1)					ND	ND			0.80	5.00
69) n-Heptane	(1)					ND	ND			2.00	5.00
72) n-Butanol	(1)					ND	ND			100.00	250.00
73) Trichloroethene	(1)					ND	ND			1.00	5.00
77) 1,2-Dichloropropane	(1)					ND	ND			1.00	5.00
74) Methylcyclohexane	(1)					ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

VBLKL28

File: /chem/HP09915.i/06jun13a.b/lu13b03.d
Sample: VBLKL28;VBLKL28;1;3;;;;
Injected At:13-JUN-2006 16:42
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference:
Sublist: 8260W+CYC

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:**L061642AA**
Analyst:**ADS01731**
Instrument ID:**HP09915.i**
Standard Reference: lu13c01.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)

Bottle Code:

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
80) Methyl Methacrylate	(1)					ND	ND			1.00	5.00
79) Dibromomethane	(1)					ND	ND			1.00	5.00
81) 1,4-Dioxane	(1)					ND	ND			70.00	250.00
82) Bromodichloromethane	(1)					ND	ND			1.00	5.00
83) 2-Nitropropane	(1)					ND	ND			2.00	10.00
84) 2-Chloroethyl Vinyl Ether	(1)					ND	ND			2.00	10.00
85) cis-1,3-Dichloropropene	(1)					ND	ND			1.00	5.00
87) 4-Methyl-2-Pentanone	(1)					ND	ND			3.00	10.00
90) Toluene	(2)					ND	ND			0.70	5.00
91) trans-1,3-Dichloropropene	(2)					ND	ND			1.00	5.00
92) Ethyl Methacrylate	(2)					ND	ND			1.00	5.00
93) 1,1,2-Trichloroethane	(2)					ND	ND			0.80	5.00
94) Tetrachloroethene	(2)					ND	ND			0.80	5.00
95) 1,3-Dichloropropane	(2)					ND	ND			1.00	5.00
96) 2-Hexanone	(2)					ND	ND			3.00	10.00
98) Dibromochloromethane	(2)					ND	ND			1.00	5.00
100) 1,2-Dibromoethane	(2)					ND	ND			1.00	5.00
102) Chlorobenzene	(2)					ND	ND			0.80	5.00
103) 1,1,1,2-Tetrachloroethane	(2)					ND	ND			1.00	5.00
104) Ethylbenzene	(2)					ND	ND			0.80	5.00
105) m+p-Xylene	(2)					ND	ND			0.80	5.00
106) Xylene (Total)	(2)					ND	ND			0.80	5.00
107) o-Xylene	(2)					ND	ND			0.80	5.00
108) Styrene	(2)					ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

VBLKL28

File: /chem/HP09915.i/06jun13a.b/lu13b03.d
Sample: VBLKL28;VBLKL28;1;3;;;;
Injected At:13-JUN-2006 16:42
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference:
Sublist: 8260W+CYC

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AA
Analyst:ADS01731
Instrument ID:HP09915.i
Standard Reference: lu13c01.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
109) Bromoform	(2)					ND	ND			1.00	5.00
111) Isopropylbenzene	(2)					ND	ND			1.00	5.00
115) Cyclohexanone	(2)					ND	ND			55.00	250.00
116) 1,1,2,2-Tetrachloroethane	(3)					ND	ND			1.00	5.00
118) trans-1,4-Dichloro-2-Butene	(3)					ND	ND			15.00	50.00
117) Bromobenzene	(3)					ND	ND			1.00	5.00
119) 1,2,3-Trichloropropane	(3)					ND	ND			1.00	5.00
120) n-Propylbenzene	(3)					ND	ND			1.00	5.00
122) 2-Chlorotoluene	(3)					ND	ND			1.00	5.00
123) 1,3,5-Trimethylbenzene	(3)					ND	ND			1.00	5.00
125) 4-Chlorotoluene	(3)					ND	ND			1.00	5.00
126) tert-Butylbenzene	(3)					ND	ND			1.00	5.00
127) Pentachloroethane	(3)					ND	ND			1.00	5.00
128) 1,2,4-Trimethylbenzene	(3)					ND	ND			1.00	5.00
129) sec-Butylbenzene	(3)					ND	ND			1.00	5.00
130) p-Isopropyltoluene	(3)					ND	ND			1.00	5.00
131) 1,3-Dichlorobenzene	(3)					ND	ND			1.00	5.00
133) 1,4-Dichlorobenzene	(3)					ND	ND			1.00	5.00
134) 1,2,3-Trimethylbenzene	(3)					ND	ND			1.00	5.00
135) Benzyl Chloride	(3)					ND	ND			1.00	5.00
136) 1,3-Diethylbenzene	(3)					ND	ND			1.00	5.00
137) 1,4-Diethylbenzene	(3)					ND	ND			1.00	5.00
138) n-Butylbenzene	(3)					ND	ND			1.00	5.00
139) 1,2-Dichlorobenzene	(3)					ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

VBLKL28

File: /chem/HP09915.i/06jun13a.b/lu13b03.d
Sample: VBLKL28;VBLKL28;1;3;;;;
Injected At:13-JUN-2006 16:42
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference:
Sublist: 8260W+CYC

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AA
Analyst:ADS01731
Instrument ID:HP09915.i
Standard Reference: lu13c01.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
140) 1,2-Diethylbenzene	(3)					ND	ND			1.00	5.00
141) 1,2-Dibromo-3-Chloropropane	(3)					ND	ND			2.00	5.00
142) 1,2,4-Trichlorobenzene	(3)					ND	ND			1.00	5.00
143) Hexachlorobutadiene	(3)					ND	ND			2.00	5.00
144) Naphthalene	(3)					ND	ND			1.00	5.00
145) 1,2,3-Trichlorobenzene	(3)					ND	ND			1.00	5.00

B = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Comments:

Analyst: [signature] Date: 6/13/06

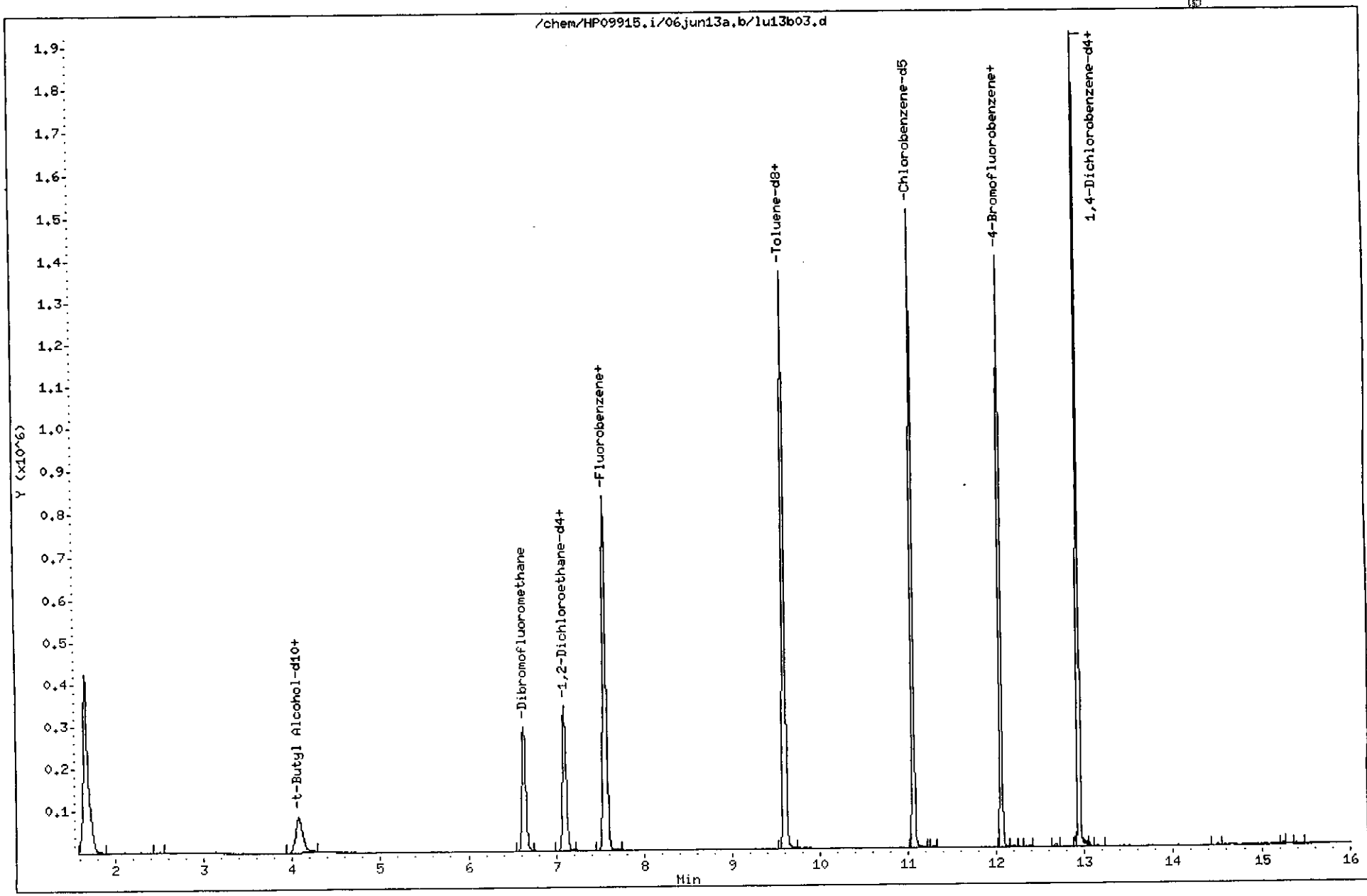
Auditor: [signature] Date: 6/14/06

Data File: /chem/HP09915.i/06jun13a.b/lu13b03.d
Date : 13-JUN-2006 16:42
Client ID: VBLKL28
Sample Info: VBLKL28;VBLKL28;1;3;;;;
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP09915.i

Operator: ADS01731
Column diameter: 0.25

8232



Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun13a.b/lu13b03.d Instrument ID: HP09915.i
Injection date and time: 13-JUN-2006 16:42 Analyst ID: ADS01731

Method used: /chem/HP09915.i/06jun13a.b/L8260W.m Sublist used: 8260W+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 13-Jun-2006 18:20 lcm01518

Sample Name: VBLKL28 Lab Sample ID: VBLKL28

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
27) *t-Butyl Alcohol-d10	(4)	4.076	65	219917	250.000
70) *Fluorobenzene	(1)	7.559	96	1057177	50.000
101) *Chlorobenzene-d5	(2)	11.063	117	802022	50.000
132) *1,4-Dichlorobenzene-d4	(3)	12.941	152	433965	50.000
51) $Dibromofluoromethane	(1)	6.636	113	269580	46.292
62) $1,2-Dichloroethane-d4	(1)	7.102	102	59566	44.729
89) $Toluene-d8	(2)	9.600	98	1046748	45.005
113) $4-Bromofluorobenzene	(2)	12.057	95	409561	39.556

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKL29

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: VBLKL29

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13b.b/lu13b05.d

Level: (low/med) LOW Date Received:

Moisture: not dec. _____ Date Analyzed: 06/13/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	5	U
74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	5	U
74-83-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
60-29-7	Ethyl Ether	5	U
107-02-8	Acrolein	100	U
75-35-4	1,1-Dichloroethene	5	U
76-13-1	Freon 113	10	U
67-64-1	Acetone	20	U
74-88-4	Methyl Iodide	5	U
67-63-0	2-Propanol	100	U
75-15-0	Carbon Disulfide	5	U
107-05-1	Allyl Chloride	5	U
79-20-9	Methyl Acetate	5	U
75-09-2	Methylene Chloride	5	U
75-65-0	t-Butyl Alcohol	80	U
107-13-1	Acrylonitrile	20	U
156-60-5	trans-1,2-Dichloroethene	5	U
1634-04-4	Methyl Tertiary Butyl Ether	5	U
110-54-3	n-Hexane	5	U
75-34-3	1,1-Dichloroethane	5	U
108-20-3	di-Isopropyl Ether	5	U
126-99-8	2-Chloro-1,3-Butadiene	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
637-92-3	Ethyl t-Butyl Ether	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
78-93-3	2-Butanone	10	U
594-20-7	2,2-Dichloropropane	5	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKL29

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: VBLKL29

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13b.b/lu13b05.d

Level: (low/med) LOW Date Received:

Moisture: not dec. _____ Date Analyzed: 06/13/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
107-12-0	Propionitrile	100	U
126-98-7	Methacrylonitrile	50	U
74-97-5	Bromochloromethane	5	U
109-99-9	Tetrahydrofuran	10	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
110-82-7	Cyclohexane	5	U
563-58-6	1,1-Dichloropropene	5	U
56-23-5	Carbon Tetrachloride	5	U
78-83-1	Isobutyl Alcohol	250	U
71-43-2	Benzene	5	U
107-06-2	1,2-Dichloroethane	5	U
994-05-8	t-Amyl Methyl Ether	5	U
142-82-5	n-Heptane	5	U
71-36-3	n-Butanol	250	U
79-01-6	Trichloroethene	5	U
108-87-2	Methylcyclohexane	5	U
78-87-5	1,2-Dichloropropane	5	U
74-95-3	Dibromomethane	5	U
80-62-6	Methyl Methacrylate	5	U
123-91-1	1,4-Dioxane	250	U
75-27-4	Bromodichloromethane	5	U
79-46-9	2-Nitropropane	10	U
110-75-8	2-Chloroethyl Vinyl Ether	10	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
97-63-2	Ethyl Methacrylate	5	U
79-00-5	1,1,2-Trichloroethane	5	U

0235

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKL29

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: VBLKL29

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13b.b/lu13b05.d

Level: (low/med) LOW Date Received:

Moisture: not dec. _____ Date Analyzed: 06/13/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
127-18-4	Tetrachloroethene	5	U
142-28-9	1,3-Dichloropropane	5	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5	U
106-93-4	1,2-Dibromoethane	5	U
108-90-7	Chlorobenzene	5	U
630-20-6	1,1,1,2-Tetrachloroethane	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	m+p-Xylene	5	U
1330-20-7	Xylene (Total)	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
98-82-8	Isopropylbenzene	5	U
108-94-1	Cyclohexanone	250	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-86-1	Bromobenzene	5	U
110-57-6	trans-1,4-Dichloro-2-Butene	50	U
96-18-4	1,2,3-Trichloropropane	5	U
103-65-1	n-Propylbenzene	5	U
95-49-8	2-Chlorotoluene	5	U
108-67-8	1,3,5-Trimethylbenzene	5	U
106-43-4	4-Chlorotoluene	5	U
98-06-6	tert-Butylbenzene	5	U
76-01-7	Pentachloroethane	5	U
95-63-6	1,2,4-Trimethylbenzene	5	U
135-98-8	sec-Butylbenzene	5	U
99-87-6	p-Isopropyltoluene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U

8236

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKL29

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: VBLKL29

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13b.b/lu13b05.d

Level: (low/med) LOW Date Received:

Moisture: not dec. _____ Date Analyzed: 06/13/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
526-73-8	1,2,3-Trimethylbenzene	5	U
100-44-7	Benzyl Chloride	5	U
141-93-5	1,3-Diethylbenzene	5	U
105-05-5	1,4-Diethylbenzene	5	U
104-51-8	n-Butylbenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
135-01-3	1,2-Diethylbenzene	5	U
96-12-8	1,2-Dibromo-3-Chloropropane	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
87-68-3	Hexachlorobutadiene	5	U
91-20-3	Naphthalene	5	U
87-61-6	1,2,3-Trichlorobenzene	5	U
25340-17-4	Diethylbenzene (total)	5	U

0237

VBLKL29

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

VBLKL29

File: /chem/HP09915.i/06jun13b.b/lu13b05.d
Sample: VBLKL29;VBLKL29;1;3;;;;
Injected At:13-JUN-2006 21:57
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference:
Sublist: 8260W+CYC

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AB
Analyst:LCM01518
Instrument ID:HP09915.i
Standard Reference: lu13c02.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:

Internal Standards	RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
27) t-Butyl Alcohol-d10	4.083(-0.013)	778	65	217603(-11)	250.00	
70) Fluorobenzene	7.562(0.000)	1860	96	1025769(-4)	50.00	
101) Chlorobenzene-d5	11.063(0.000)	2949	117	771848(-5)	50.00	
132) 1,4-Dichlorobenzene-d4	12.938(0.003)	3532	152	419397(-11)	50.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
51) Dibromofluoromethane	(1)	6.636(0.000)	113	261143	46.216	92%		80 - 116
62) 1,2 Dichloroethane-d4	(1)	7.099(0.000)	102	58581	45.336	91%		77 - 113
89) Toluene-d8	(2)	9.600(0.000)	98	1009214	45.088	90%		80 - 113
113) 4-Bromofluorobenzene	(2)	12.057(0.000)	95	397906	39.933	80%		78 - 113

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
1) Dichlorodifluoromethane	(1)				ND	ND			2.00	5.00
2) Chloromethane	(1)				ND	ND			1.00	5.00
3) Vinyl Chloride	(1)				ND	ND			1.00	5.00
6) Bromomethane	(1)				ND	ND			1.00	5.00
7) Chloroethane	(1)				ND	ND			1.00	5.00
8) Trichlorofluoromethane	(1)				ND	ND			2.00	5.00
10) Ethyl Ether	(1)				ND	ND			2.00	5.00
15) Acrolein	(1)				ND	ND			40.00	100.00
16) 1,1-Dichloroethene	(1)				ND	ND			0.80	5.00
17) Freon 113	(1)				ND	ND			2.00	10.00
18) Acetone	(1)				ND	ND			6.00	20.00
20) Methyl Iodide	(1)				ND	ND			1.00	5.00
21) 2-Propanol	(1)				ND	ND			50.00	100.00
22) Carbon Disulfide	(1)				ND	ND			1.00	5.00
23) Allyl Chloride	(1)				ND	ND			1.00	5.00
25) Methyl Acetate	(1)				ND	ND			1.00	5.00
26) Methylene Chloride	(1)				ND	ND			2.00	5.00
28) t-Butyl Alcohol	(4)				ND	ND			10.00	80.00
29) Acrylonitrile	(1)				ND	ND			4.00	20.00
30) trans-1,2-Dichloroethene	(1)				ND	ND			0.80	5.00
31) Methyl Tertiary Butyl Ether	(1)				ND	ND			0.50	5.00
33) n-Hexane	(1)				ND	ND			2.00	5.00
40) 1,2-Dichloroethene (total)	(1)				ND	ND			0.80	5.00
36) 1,1-Dichloroethane	(1)				ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

VBLKL29

File: /chem/HP09915.i/06jun13b.b/lu13b05.d
Sample: VBLKL29;VBLKL29;1;3;;;;
Injected At:13-JUN-2006 21:57
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference:
Sublist: 8260W+CYC

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AB
Analyst:LCM01518
Instrument ID:HP09915.i
Standard Reference: lu13c02.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
37) di-Isopropyl Ether	(1)					ND	ND			0.80	5.00
39) 2-Chloro-1,3-Butadiene	(1)					ND	ND			1.00	5.00
41) Ethyl t-Butyl Ether	(1)					ND	ND			0.80	5.00
42) cis-1,2-Dichloroethene	(1)					ND	ND			0.80	5.00
43) 2-Butanone	(1)					ND	ND			3.00	10.00
44) 2,2-Dichloropropane	(1)					ND	ND			1.00	5.00
45) Propionitrile	(1)					ND	ND			30.00	100.00
46) Methacrylonitrile	(1)					ND	ND			10.00	50.00
47) Bromochloromethane	(1)					ND	ND			1.00	5.00
48) Tetrahydrofuran	(1)					ND	ND			4.00	10.00
49) Chloroform	(1)					ND	ND			0.80	5.00
54) 1,1,1-Trichloroethane	(1)					ND	ND			0.80	5.00
55) Cyclohexane	(1)					ND	ND			2.00	5.00
58) 1,1-Dichloropropene	(1)					ND	ND			1.00	5.00
59) Carbon Tetrachloride	(1)					ND	ND			1.00	5.00
60) Isobutyl Alcohol	(1)					ND	ND			100.00	250.00
63) Benzene	(1)					ND	ND			0.50	5.00
64) 1,2-Dichloroethane	(1)					ND	ND			1.00	5.00
67) t-Amyl Methyl Ether	(1)					ND	ND			0.80	5.00
69) n-Heptane	(1)					ND	ND			2.00	5.00
72) n-Butanol	(1)					ND	ND			100.00	250.00
73) Trichloroethene	(1)					ND	ND			1.00	5.00
77) 1,2-Dichloropropane	(1)					ND	ND			1.00	5.00
74) Methylcyclohexane	(1)					ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

VBLKL29

File: /chem/HP09915.i/06jun13b.b/lu13b05.d
Sample: VBLKL29;VBLKL29;1;3;;;;
Injected At:13-JUN-2006 21:57
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference:
Sublist: 8260W+CYC

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AB
Analyst:LCM01518
Instrument ID:HP09915.i
Standard Reference: lu13c02.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
80) Methyl Methacrylate	(1)					ND	ND			1.00	5.00
79) Dibromomethane	(1)					ND	ND			1.00	5.00
81) 1,4-Dioxane	(1)					ND	ND			70.00	250.00
82) Bromodichloromethane	(1)					ND	ND			1.00	5.00
83) 2-Nitropropane	(1)					ND	ND			2.00	10.00
84) 2-Chloroethyl Vinyl Ether	(1)					ND	ND			2.00	10.00
85) cis-1,3-Dichloropropene	(1)					ND	ND			1.00	5.00
87) 4-Methyl-2-Pentanone	(1)					ND	ND			3.00	10.00
90) Toluene	(2)					ND	ND			0.70	5.00
91) trans-1,3-Dichloropropene	(2)					ND	ND			1.00	5.00
92) Ethyl Methacrylate	(2)					ND	ND			1.00	5.00
93) 1,1,2 Trichloroethane	(2)					ND	ND			0.80	5.00
94) Tetrachloroethene	(2)					ND	ND			0.80	5.00
95) 1,3-Dichloropropane	(2)					ND	ND			1.00	5.00
96) 2-Hexanone	(2)					ND	ND			3.00	10.00
98) Dibromochloromethane	(2)					ND	ND			1.00	5.00
100) 1,2-Dibromoethane	(2)					ND	ND			1.00	5.00
102) Chlorobenzene	(2)					ND	ND			0.80	5.00
103) 1,1,1,2-Tetrachloroethane	(2)					ND	ND			1.00	5.00
104) Ethylbenzene	(2)					ND	ND			0.80	5.00
105) m+p-Xylene	(2)					ND	ND			0.80	5.00
106) Xylene (Total)	(2)					ND	ND			0.80	5.00
107) o-Xylene	(2)					ND	ND			0.80	5.00
108) Styrene	(2)					ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

VBLKL29

File: /chem/HP09915.i/06jun13b.b/lu13b05.d
Sample: VBLKL29;VBLKL29;1;3;;;;
Injected At:13-JUN-2006 21:57
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference:
Sublist: 8260W+CYC

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AB
Analyst:LCM01518
Instrument ID:HP09915.i
Standard Reference: lu13c02.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
109) Bromoform	(2)					ND	ND			1.00	5.
111) Isopropylbenzene	(2)					ND	ND			1.00	5.
115) Cyclohexanone	(2)					ND	ND			55.00	250.
116) 1,1,2,2-Tetrachloroethane	(3)					ND	ND			1.00	5.
118) trans-1,4-Dichloro-2-Butene	(3)					ND	ND			15.00	50.
117) Bromobenzene	(3)					ND	ND			1.00	5.
119) 1,2,3-Trichloropropane	(3)					ND	ND			1.00	5.
120) n-Propylbenzene	(3)					ND	ND			1.00	5.
122) 2-Chlorotoluene	(3)					ND	ND			1.00	5.
123) 1,3,5-Trimethylbenzene	(3)					ND	ND			1.00	5.
125) 4-Chlorotoluene	(3)					ND	ND			1.00	5.
126) tert-Butylbenzene	(3)					ND	ND			1.00	5.
127) Pentachloroethane	(3)					ND	ND			1.00	5.
128) 1,2,4-Trimethylbenzene	(3)					ND	ND			1.00	5.
129) sec-Butylbenzene	(3)					ND	ND			1.00	5.
130) p-Isopropyltoluene	(3)					ND	ND			1.00	5.
131) 1,3-Dichlorobenzene	(3)					ND	ND			1.00	5.
133) 1,4-Dichlorobenzene	(3)					ND	ND			1.00	5.
134) 1,2,3-Trimethylbenzene	(3)					ND	ND			1.00	5.
135) Benzyl Chloride	(3)					ND	ND			1.00	5.
136) 1,3-Diethylbenzene	(3)					ND	ND			1.00	5.
137) 1,4-Diethylbenzene	(3)					ND	ND			1.00	5.
138) n-Butylbenzene	(3)					ND	ND			1.00	5.
139) 1,2-Dichlorobenzene	(3)					ND	ND			1.00	5.

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

VBLKL29

File: /chem/HP09915.i/06jun13b.b/lu13b05.d
Sample: VBLKL29;VBLKL29;1;3;;;;
Injected At:13-JUN-2006 21:57
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference:
Sublist: 8260W+CYC

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AB
Analyst:LCM01518
Inetrument ID:HP09915.i
Standard Reference: lu13c02.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
140) 1,2-Diethylbenzene	(3)					ND	ND			1.00	5.00
141) 1,2-Dibromo-3-Chloropropane	(3)					ND	ND			2.00	5.00
142) 1,2,4-Trichlorobenzene	(3)					ND	ND			1.00	5.00
143) Hexachlorobutadiene	(3)					ND	ND			2.00	5.00
144) Naphthalene	(3)					ND	ND			1.00	5.00
145) 1,2,3-Trichlorobenzene	(3)					ND	ND			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

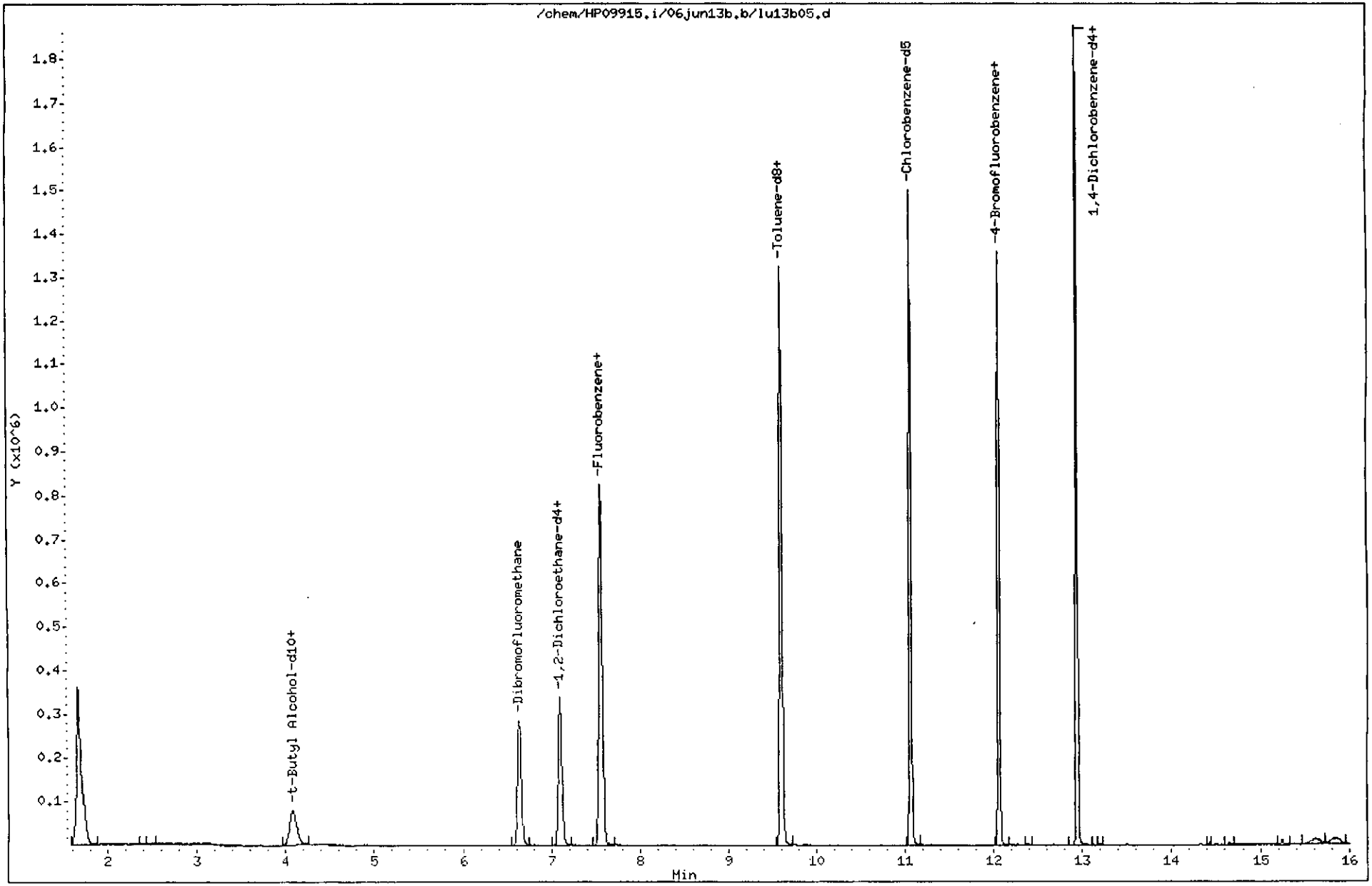
Comments:

Analyst: [signature] Date: 6/13/06

Auditor: [signature] Date: 6/14/06

Data File: /chem/HP09915.i/06jun13b.b/lu13b05.d
Date : 13-JUN-2006 21:57
Client ID: VBLKL29
Sample Info: VBLKL29;VBLKL29;1;3;;;;
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP09915.i
Operator: LCH01518
Column diameter: 0.25



Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun13b.b/lu13b05.d Instrument ID: HP09915.i
Injection date and time: 13-JUN-2006 21:57 Analyst ID: LCM01518

Method used: /chem/HP09915.i/06jun13b.b/L8260W.m Sublist used: 8260W+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 13-Jun-2006 22:20 lcm01518

Sample Name: VBLKL29 Lab Sample ID: VBLKL29

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
27)*t-Butyl Alcohol-d10	(4)	4.083	65	217603	250.000
70)*Fluorobenzene	(1)	7.562	96	1025769	50.000
101)*Chlorobenzene-d5	(2)	11.063	117	771848	50.000
132)*1,4-Dichlorobenzene-d4	(3)	12.938	152	419397	50.000
51)$Dibromofluoromethane	(1)	6.636	113	261143	46.216
62)$1,2-Dichloroethane-d4	(1)	7.099	102	58581	45.336
89)$Toluene-d8	(2)	9.600	98	1009214	45.088
113)$4-Bromofluorobenzene	(2)	12.057	95	397906	39.933

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OS2--MS

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791564

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13b.b/lu13s31.d

Level: (low/med) LOW Date Received: 06/10/06

Moisture: not dec. _____ Date Analyzed: 06/13/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	22	
75-01-4	Vinyl Chloride	22	
74-83-9	Bromomethane	16	
75-00-3	Chloroethane	17	
75-69-4	Trichlorofluoromethane	24	
75-35-4	1,1-Dichloroethene	22	
75-09-2	Methylene Chloride	20	
1634-04-4	Methyl Tertiary Butyl Ether	19	
75-34-3	1,1-Dichloroethane	22	
540-59-0	1,2-Dichloroethene (total)	43	
67-66-3	Chloroform	22	
71-55-6	1,1,1-Trichloroethane	22	
56-23-5	Carbon Tetrachloride	22	
71-43-2	Benzene	22	
107-06-2	1,2-Dichloroethane	22	
79-01-6	Trichloroethene	22	
78-87-5	1,2-Dichloropropane	22	
75-27-4	Bromodichloromethane	22	
110-75-8	2-Chloroethyl Vinyl Ether	2	J
10061-01-5	cis-1,3-Dichloropropene	20	
108-88-3	Toluene	21	
10061-02-6	trans-1,3-Dichloropropene	21	
79-00-5	1,1,2-Trichloroethane	20	
127-18-4	Tetrachloroethene	21	
124-48-1	Dibromochloromethane	19	
108-90-7	Chlorobenzene	21	
100-41-4	Ethylbenzene	22	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OS2--MS

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791564

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13b.b/lu13s31.d

Level: (low/med) LOW Date Received: 06/10/06

Moisture: not dec. _____ Date Analyzed: 06/13/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1330-20-7	Xylene (Total)	63	
75-25-2	Bromoform	18	
79-34-5	1,1,2,2-Tetrachloroethane	21	
541-73-1	1,3-Dichlorobenzene	21	
106-46-7	1,4-Dichlorobenzene	21	
95-50-1	1,2-Dichlorobenzene	21	

8246

FORM I VOA

OS2--MS

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4791564

File: /chem/HP09915.i/06jun13b.b/lu13s31.d
Sample: OS2--MS;4791564;1;3;MS;;;
Injected At:13-JUN-2006 23:05
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b05.d
Sublist: CHEVENV

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AB
Analyst:LCM01518
Instrument ID:HP09915.i
Standard Reference: lu13c02.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:038A

Internal Standards	RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
70) Fluorobenzene	7.565(-0.003)	1861	96	1039822(-3)	50.00	
101) Chlorobenzene-d5	11.063(0.000)	2949	117	783690(-4)	50.00	
132) 1,4-Dichlorobenzene-d4	12.941(0.000)	3533	152	440106(-7)	50.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
51) Dibromofluoromethane	(1)	6.636(0.000)	113	262234	45.782	92%		80 - 116
62) 1,2-Dichloroethane-d4	(1)	7.099(0.000)	102	58082	44.343	89%		77 - 113
89) Toluene-d8	(2)	9.600(0.000)	98	1043413	45.911	92%		80 - 113
113) 4-Bromofluorobenzene	(2)	12.057(0.000)	95	422727	41.783	84%		78 - 113

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
2) Chloromethane	(1)	2.015(0.002)	50	152264	21.512	21.51			1.00	5.00
3) Vinyl Chloride	(1)	2.160(0.001)	62	143588	22.265	22.27			1.00	5.00
6) Bromomethane	(1)	2.469(0.001)	94	67186	16.032	16.03			1.00	5.00
7) Chloroethane	(1)	2.562(0.001)	64	58704	17.364	17.36			1.00	5.00
8) Trichlorofluoromethane	(1)	2.832(0.007)	101	182105	24.208	24.21			2.00	5.00
16) 1,1-Dichloroethene	(1)	3.430(-0.001)	96	98286	21.538	21.54			0.80	5.00
26) Methylene Chloride	(1)	4.057(-0.001)	84	112355	20.109	20.11			2.00	5.00
30) trans-1,2-Dichloroethene	(1)	4.469(-0.001)	96	106324	21.235	21.23			0.80	5.00
31) Methyl Tertiary Butyl Ether	(1)	4.475(-0.001)	73	318486	19.398	19.40			0.50	5.00
40) 1,2-Dichloroethene (total)	(1)		96	222977	43.019	43.02			0.80	5.00
36) 1,1-Dichloroethane	(1)	5.102(-0.001)	63	215447	21.940	21.94			1.00	5.00
42) cis-1,2-Dichloroethene	(1)	5.961(-0.001)	96	116653	21.784	21.78			0.80	5.00
49) Chloroform	(1)	6.420(0.000)	83	200921	22.320	22.32			0.80	5.00
54) 1,1,1-Trichloroethane	(1)	6.681(0.000)	97	169886	22.181	22.18			0.80	5.00
59) Carbon Tetrachloride	(1)	6.916(0.000)	117	149393	21.788	21.79			1.00	5.00
63) Benzene	(1)	7.186(0.000)	78	468917	22.091	22.09			0.50	5.00
64) 1,2-Dichloroethane	(1)	7.199(0.000)	62	177635	21.806	21.81			1.00	5.00
73) Trichloroethene	(1)	8.054(0.000)	95	119654	21.936	21.94			1.00	5.00
77) 1,2-Dichloropropane	(1)	8.337(0.001)	63	133634	22.051	22.05			1.00	5.00
82) Bromodichloromethane	(1)	8.700(0.000)	83	149034	21.933	21.93			1.00	5.00
84) 2-Chloroethyl Vinyl Ether	(1)	9.102(0.000)	63	11324	2.410	2.41		J	2.00	10.00
85) cis-1,3-Dichloropropene	(1)	9.279(0.001)	75	184039	20.263	20.26			1.00	5.00
90) Toluene	(2)	9.678(0.000)	92	283542	21.417	21.42			0.70	5.00
91) trans-1,3-Dichloropropene	(2)	9.919(0.000)	75	178368	21.454	21.45			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

OS2--MS

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4791564

File: /chem/HP09915.i/06jun13b.b/lu13s31.d
Sample: OS2--MS;4791564;1;3;MS;;;
Injected At:13-JUN-2006 23:05
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b05.d
Sublist: CHEVENV

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AB
Analyst:LCM01518
Instrument ID:HP09915.i
Standard Reference: lu13c02.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:038A

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
93) 1,1,2-Trichloroethane	(2)	10.108	(0.000)	97	105546	20.337	20.34			0.80	5.00
94) Tetrachloroethene	(2)	10.269	(0.000)	166	117662	20.669	20.67			0.80	5.00
98) Dibromochloromethane	(2)	10.514	(0.000)	129	111814	19.258	19.26			1.00	5.00
102) Chlorobenzene	(2)	11.089	(0.000)	112	318127	20.932	20.93			0.80	5.00
104) Ethylbenzene	(2)	11.186	(0.000)	91	553182	21.657	21.66			0.80	5.00
105) m+p-Xylene	(2)	11.288	(0.000)	106	425594	42.499	42.50			0.80	5.00
106) Xylene (Total)	(2)			106	626090	63.458	63.46			0.80	5.00
107) o-Xylene	(2)	11.629	(0.000)	106	200496	20.959	20.96			0.80	5.00
109) Bromoform	(2)	11.796	(0.000)	173	80390	17.877	17.88			1.00	5.00
116) 1,1,2,2-Tetrachloroethane	(3)	12.163	(0.000)	83	185069	20.740	20.74			1.00	5.00
131) 1,3-Dichlorobenzene	(3)	12.893	(0.000)	146	258401	20.884	20.88			1.00	5.00
133) 1,4-Dichlorobenzene	(3)	12.957	(0.000)	146	268689	20.582	20.58			1.00	5.00
139) 1,2-Dichlorobenzene	(3)	13.230	(0.000)	146	250517	20.509	20.51			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Comments:

Analyst: [signature] Date: 6/14/06

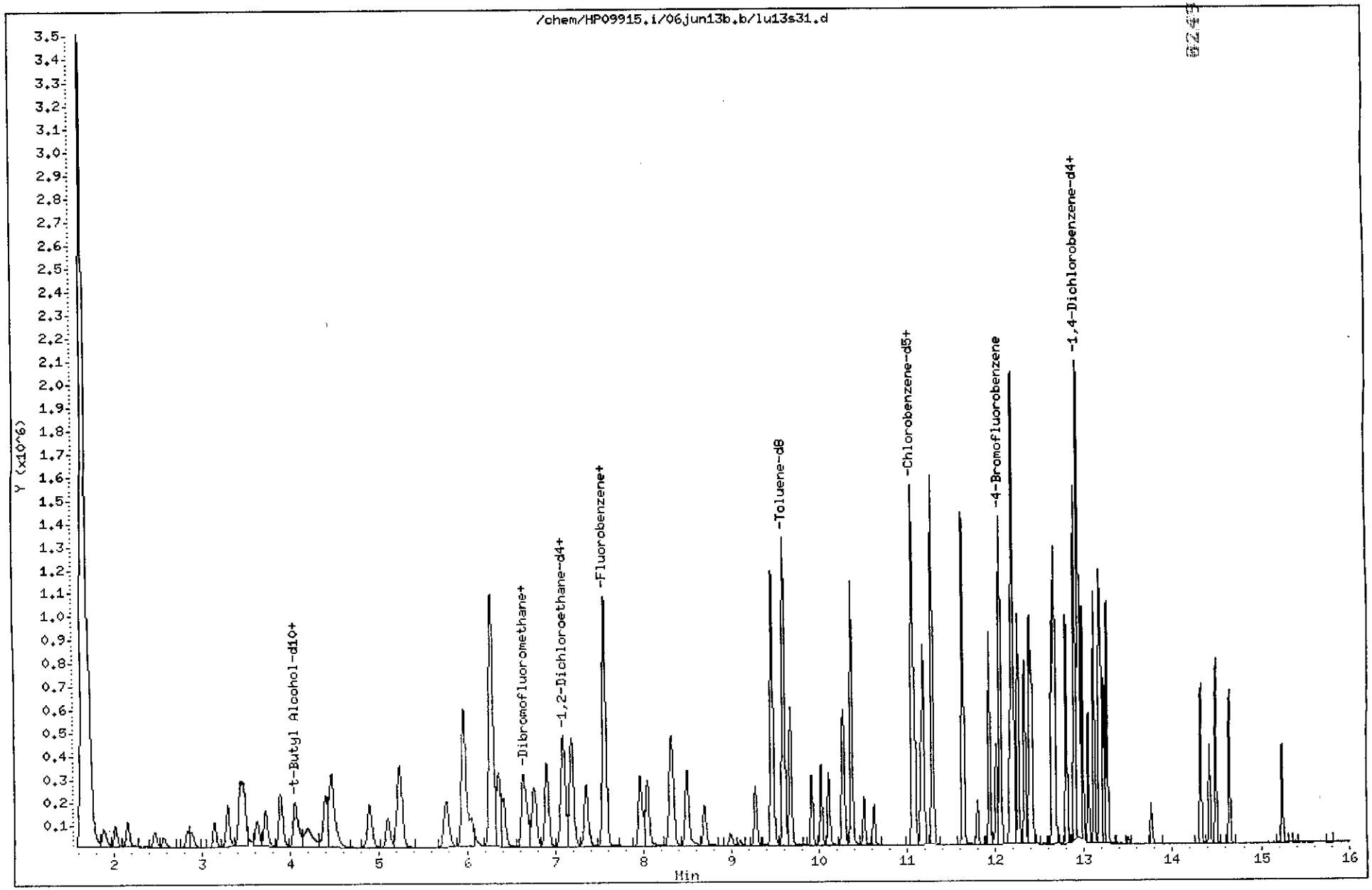
Auditor: [signature] Date: 6/14/06

Data File: /chem/HP09915.i/06jun13b.b/lu13s31.d
Date : 13-JUN-2006 23:05
Client ID: OS2--MS
Sample Info: OS2--MS;4791564;1;3;MS;;;
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP09915.i

Operator: LCM01518
Column diameter: 0.25

Jun7d
6/14/06



Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun13b.b/lu13s31.d Instrument ID: HP09915.i
Injection date and time: 13-JUN-2006 23:05 Analyst ID: LCM01518

Method used: /chem/HP09915.i/06jun13b.b/L8260W.m Sublist used: CHEVENV
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 14-Jun-2006 08:49 ads01731

Sample Name: OS2--MS Lab Sample ID: 4791564

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
2) Chloromethane	(1)	2.015	50	152264	21.512
3) Vinyl Chloride	(1)	2.160	62	143588	22.265
6) Bromomethane	(1)	2.469	94	67186	16.032
7) Chloroethane	(1)	2.562	64	58704	17.364
8) Trichlorofluoromethane	(1)	2.832	101	182105	24.208
16) 1,1-Dichloroethene	(1)	3.430	96	98286	21.538
26) Methylene Chloride	(1)	4.057	84	112355	20.109
30) trans-1,2-Dichloroethene	(1)	4.469	96	106324	21.235
31) Methyl Tertiary Butyl Ether	(1)	4.475	73	318486	19.398
40) 1,2-Dichloroethene (total)	(1)		96	222977	43.019
36) 1,1-Dichloroethane	(1)	5.102	63	215447	21.940
42) cis-1,2-Dichloroethene	(1)	5.961	96	116653	21.784
49) Chloroform	(1)	6.420	83	200921	22.320
54) 1,1,1-Trichloroethane	(1)	6.681	97	169886	22.181
59) Carbon Tetrachloride	(1)	6.916	117	149393	21.788
63) Benzene	(1)	7.186	78	468917	22.091
64) 1,2-Dichloroethane	(1)	7.199	62	177635	21.806
70)*Fluorobenzene	(1)	7.565	96	1039822	50.000
73) Trichloroethene	(1)	8.054	95	119654	21.936
77) 1,2-Dichloropropane	(1)	8.337	63	133634	22.051
82) Bromodichloromethane	(1)	8.700	83	149034	21.933
84) 2-Chloroethyl Vinyl Ether	(1)	9.102	63	11324	2.410
85) cis-1,3-Dichloropropene	(1)	9.279	75	184039	20.263
90) Toluene	(2)	9.678	92	283542	21.417
91) trans-1,3-Dichloropropene	(2)	9.919	75	178368	21.454
93) 1,1,2-Trichloroethane	(2)	10.108	97	105546	20.337
94) Tetrachloroethene	(2)	10.269	166	117662	20.669
98) Dibromochloromethane	(2)	10.514	129	111814	19.258
101)*Chlorobenzene-d5	(2)	11.063	117	783690	50.000
102) Chlorobenzene	(2)	11.089	112	318127	20.932
104) Ethylbenzene	(2)	11.186	91	553182	21.657
105) m+p-Xylene	(2)	11.288	106	425594	42.499
106) Xylene (Total)	(2)		106	626090	63.458
107) o-Xylene	(2)	11.629	106	200496	20.959

8250

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun13b.b/lu13s31.d Instrument ID: HP09915.i
Injection date and time: 13-JUN-2006 23:05 Analyst ID: LCM01518

Method used: /chem/HP09915.i/06jun13b.b/L8260W.m Sublist used: CHEVENV
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 14-Jun-2006 08:49 ads01731

Sample Name: OS2--MS Lab Sample ID: 4791564

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
109) Bromoform	(2)	11.796	173	80390	17.877
116) 1,1,2,2-Tetrachloroethane	(3)	12.163	83	185069	20.740
131) 1,3-Dichlorobenzene	(3)	12.893	146	258401	20.884
132) *1,4-Dichlorobenzene-d4	(3)	12.941	152	440106	50.000
133) 1,4-Dichlorobenzene	(3)	12.957	146	268689	20.582
139) 1,2-Dichlorobenzene	(3)	13.230	146	250517	20.509
51) $Dibromofluoromethane	(1)	6.636	113	262234	45.782
62) $1,2-Dichloroethane-d4	(1)	7.099	102	58082	44.343
89) $Toluene-d8	(2)	9.600	98	1043413	45.911
113) $4-Bromofluorobenzene	(2)	12.057	95	422727	41.783

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OS2--MSD

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791565

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13b.b/lu13s32.d

Level: (low/med) LOW Date Received: 06/10/06

Moisture: not dec. _____ Date Analyzed: 06/13/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
74-87-3	Chloromethane	22	
75-01-4	Vinyl Chloride	22	
74-83-9	Bromomethane	16	
75-00-3	Chloroethane	17	
75-69-4	Trichlorofluoromethane	24	
75-35-4	1,1-Dichloroethene	22	
75-09-2	Methylene Chloride	21	
1634-04-4	Methyl Tertiary Butyl Ether	20	
75-34-3	1,1-Dichloroethane	22	
540-59-0	1,2-Dichloroethene (total)	44	
67-66-3	Chloroform	23	
71-55-6	1,1,1-Trichloroethane	22	
56-23-5	Carbon Tetrachloride	22	
71-43-2	Benzene	23	
107-06-2	1,2-Dichloroethane	22	
79-01-6	Trichloroethene	22	
78-87-5	1,2-Dichloropropane	22	
75-27-4	Bromodichloromethane	22	
110-75-8	2-Chloroethyl Vinyl Ether	10	U
10061-01-5	cis-1,3-Dichloropropene	21	
108-88-3	Toluene	22	
10061-02-6	trans-1,3-Dichloropropene	22	
79-00-5	1,1,2-Trichloroethane	21	
127-18-4	Tetrachloroethene	21	
124-48-1	Dibromochloromethane	20	
108-90-7	Chlorobenzene	21	
100-41-4	Ethylbenzene	22	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OS2--MSD

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791565

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13b.b/lu13s32.d

Level: (low/med) LOW Date Received: 06/10/06

Moisture: not dec. _____ Date Analyzed: 06/13/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
1330-20-7	Xylene (Total)	65	
75-25-2	Bromoform	19	
79-34-5	1,1,2,2-Tetrachloroethane	21	
541-73-1	1,3-Dichlorobenzene	21	
106-46-7	1,4-Dichlorobenzene	21	
95-50-1	1,2-Dichlorobenzene	21	

0253

FORM I VOA

OS2--MSD

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4791565

File: /chem/HP09915.i/06jun13b.b/lu13s32.d
Sample: OS2--MSD;4791565;1;3;MSD;;;
Injected At:13-JUN-2006 23:28
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b05.d
Sublist: CHEVENV

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AB
Analyst:LCM01518
Instrument ID:HP09915.i
Standard Reference: lu13c02.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:038A

Internal Standards	RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
70) Fluorobenzene	7.559(0.003)	1859	96	1068628(0)	50.00	
101) Chlorobenzene-d5	11.060(0.003)	2948	117	805867(-1)	50.00	
132) 1,4-Dichlorobenzene-d4	12.941(0.000)	3533	152	456702(-3)	50.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
51) Dibromofluoromethane	(1)	6.639(-0.001)	113	270287	45.916	92%		80 - 116
62) 1,2-Dichloroethane-d4	(1)	7.092(0.000)	102	60801	45.167	90%		77 - 113
89) Toluene-d8	(2)	9.600(0.000)	98	1071088	45.832	92%		80 - 113
113) 4-Bromofluorobenzene	(2)	12.057(0.000)	95	436487	41.956	84%		78 - 113

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
2) Chloromethane	(1)	2.006(0.003)	50	157946	21.713	21.71			1.00	5.00
3) Vinyl Chloride	(1)	2.150(0.002)	62	149021	22.485	22.48			1.00	5.00
6) Bromomethane	(1)	2.456(0.002)	94	69276	16.085	16.08			1.00	5.00
7) Chloroethane	(1)	2.555(0.001)	64	60282	17.350	17.35			1.00	5.00
8) Trichlorofluoromethane	(1)	2.826(0.008)	101	185175	23.953	23.95			2.00	5.00
16) 1,1-Dichloroethene	(1)	3.420(0.000)	96	102510	21.858	21.86			0.80	5.00
26) Methylene Chloride	(1)	4.038(0.001)	84	118068	20.561	20.56			2.00	5.00
30) trans-1,2-Dichloroethene	(1)	4.449(0.001)	96	112289	21.821	21.82			0.80	5.00
31) Methyl Tertiary Butyl Ether	(1)	4.456(0.001)	73	332446	19.703	19.70			0.50	5.00
40) 1,2-Dichloroethene (total)	(1)		96	233720	43.887	43.89			0.80	5.00
36) 1,1-Dichloroethane	(1)	5.092(0.000)	63	223915	22.188	22.19			1.00	5.00
42) cis-1,2-Dichloroethene	(1)	5.957(-0.001)	96	121431	22.065	22.07			0.80	5.00
49) Chloroform	(1)	6.414(0.000)	83	209158	22.609	22.61			0.80	5.00
54) 1,1,1-Trichloroethane	(1)	6.678(0.000)	97	174494	22.168	22.17			0.80	5.00
59) Carbon Tetrachloride	(1)	6.903(0.000)	117	155182	22.022	22.02			1.00	5.00
63) Benzene	(1)	7.179(0.000)	78	493694	22.631	22.63			0.50	5.00
64) 1,2-Dichloroethane	(1)	7.198(0.000)	62	185571	22.167	22.17			1.00	5.00
73) Trichloroethene	(1)	8.047(0.000)	95	124058	22.130	22.13			1.00	5.00
77) 1,2-Dichloropropane	(1)	8.337(0.000)	63	139451	22.390	22.39			1.00	5.00
82) Bromodichloromethane	(1)	8.697(0.000)	83	154403	22.111	22.11			1.00	5.00
84) 2-Chloroethyl Vinyl Ether	(1)				ND	ND			2.00	10.00
85) cis-1,3-Dichloropropene	(1)	9.279(-0.001)	75	192223	20.593	20.59			1.00	5.00
90) Toluene	(2)	9.677(-0.001)	92	296496	21.779	21.78			0.70	5.00
91) trans-1,3-Dichloropropene	(2)	9.919(-0.001)	75	186039	21.761	21.76			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

OS2--MSD

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4791565

File: /chem/HP09915.i/06jun13b.b/lu13s32.d
Sample: OS2--MSD;4791565;1;3;MSD;;;
Injected At:13-JUN-2006 23:28
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b05.d
Sublist: CHEVENV

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:**L061642AB**
Analyst:**LCM01518**
Instrument ID:**HP09915.i**
Standard Reference: lu13c02.d
Prep Factor:**1.00**
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:**038A**

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
93) 1,1,2-Trichloroethane	(2)	10.111	(0.000)	97	112746	21.126	21.13			0.80	5.00
94) Tetrachloroethene	(2)	10.266	(0.000)	166	121334	20.728	20.73			0.80	5.00
98) Dibromochloromethane	(2)	10.513	(0.000)	129	116958	19.589	19.59			1.00	5.00
102) Chlorobenzene	(2)	11.089	(0.000)	112	333779	21.358	21.36			0.80	5.00
104) Ethylbenzene	(2)	11.185	(0.000)	91	578652	22.030	22.03			0.80	5.00
105) m+p-Xylene	(2)	11.288	(0.000)	106	447865	43.492	43.49			0.80	5.00
106) Xylene (Total)	(2)			106	659326	64.989	64.99			0.80	5.00
107) o-Xylene	(2)	11.632	(0.000)	106	211461	21.497	21.50			0.80	5.00
109) Bromoform	(2)	11.796	(0.000)	173	85826	18.560	18.56			1.00	5.00
116) 1,1,2,2-Tetrachloroethane	(3)	12.163	(0.000)	83	194259	20.979	20.98			1.00	5.00
131) 1,3-Dichlorobenzene	(3)	12.893	(0.000)	146	270690	21.082	21.08			1.00	5.00
133) 1,4-Dichlorobenzene	(3)	12.957	(0.000)	146	282670	20.866	20.87			1.00	5.00
139) 1,2-Dichlorobenzene	(3)	13.230	(0.000)	146	263135	20.759	20.76			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Comments: _____

Analyst: _____ Date: 6/14/06

Auditor: _____ Date: 6/14/06

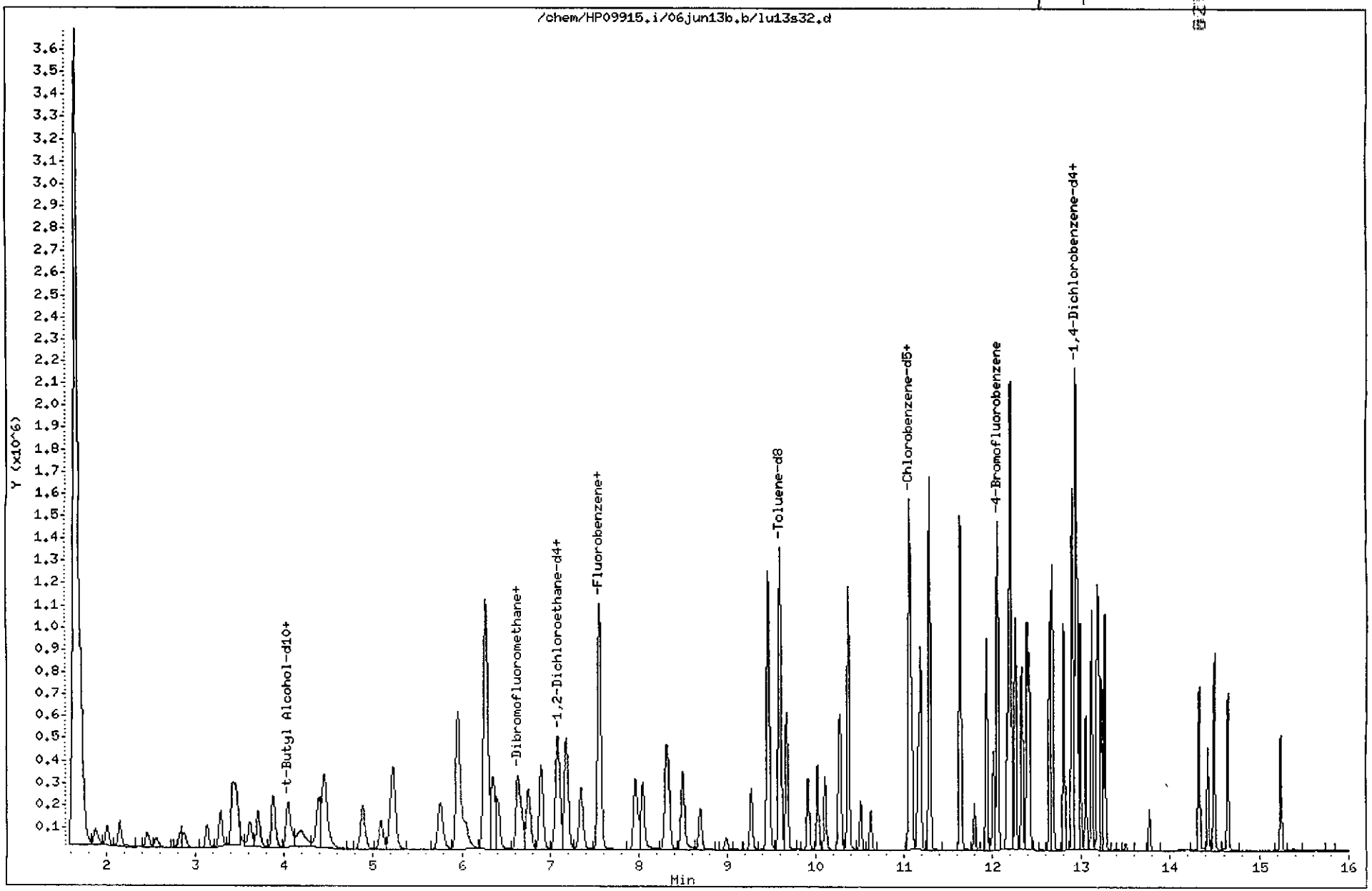
8255

Data File: /chem/MP09915.i/06jun13b.b/lu13s32.d
Date : 13-JUN-2006 23:28
Client ID: OS2--MSD
Sample Info: OS2--MSD;4791565;1;3;MSD;;;
Purge Volume: 5.0
Column phase: DB-624

Instrument: MP09915.i
Operator: LCM01518
Column diameter: 0.25

Jun 7th
6/14/06

5236



Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun13b.b/lu13s32.d Instrument ID: HP09915.
Injection date and time: 13-JUN-2006 23:28 Analyst ID: LCM01518

Method used: /chem/HP09915.i/06jun13b.b/L8260W.m Sublist used: CHEVENV
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 14-Jun-2006 08:49 ads017

Sample Name: OS2--MSD Lab Sample ID: 4791565

Compounds	I.S. Ref.	RT	QIon	Area	Conc (on colu
2) Chloromethane	(1)	2.006	50	157946	21.
3) Vinyl Chloride	(1)	2.150	62	149021	22.
6) Bromomethane	(1)	2.456	94	69276	16.
7) Chloroethane	(1)	2.555	64	60282	17.
8) Trichlorofluoromethane	(1)	2.826	101	185175	23.
16) 1,1-Dichloroethene	(1)	3.420	96	102510	21.
26) Methylene Chloride	(1)	4.038	84	118068	20.
30) trans-1,2-Dichloroethene	(1)	4.449	96	112289	21.
31) Methyl Tertiary Butyl Ether	(1)	4.456	73	332446	19.
40) 1,2-Dichloroethene (total)	(1)		96	233720	43.
36) 1,1-Dichloroethane	(1)	5.092	63	223915	22.
42) cis-1,2-Dichloroethene	(1)	5.957	96	121431	22.
49) Chloroform	(1)	6.414	83	209158	22.
54) 1,1,1-Trichloroethane	(1)	6.678	97	174494	22.
59) Carbon Tetrachloride	(1)	6.903	117	155182	22.
63) Benzene	(1)	7.179	78	493694	22.
64) 1,2-Dichloroethane	(1)	7.198	62	185571	22.
70)*Fluorobenzene	(1)	7.559	96	1068628	50.
73) Trichloroethene	(1)	8.047	95	124058	22.
77) 1,2-Dichloropropane	(1)	8.337	63	139451	22.
82) Bromodichloromethane	(1)	8.697	83	154403	22.
85) cis-1,3-Dichloropropene	(1)	9.279	75	192223	20.
90) Toluene	(2)	9.677	92	296496	21.
91) trans-1,3-Dichloropropene	(2)	9.919	75	186039	21.
93) 1,1,2-Trichloroethane	(2)	10.111	97	112746	21.
94) Tetrachloroethene	(2)	10.266	166	121334	20.
98) Dibromochloromethane	(2)	10.513	129	116958	19.
101)*Chlorobenzene-d5	(2)	11.060	117	805867	50.
102) Chlorobenzene	(2)	11.089	112	333779	21.
104) Ethylbenzene	(2)	11.185	91	578652	22.
105) m+p-Xylene	(2)	11.288	106	447865	43.
106) Xylene (Total)	(2)		106	659326	64.
107) o-Xylene	(2)	11.632	106	211461	21.
109) Bromoform	(2)	11.796	173	85826	18.

0257

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun13b.b/lu13s32.d Instrument ID: HP09915.i
Injection date and time: 13-JUN-2006 23:28 Analyst ID: LCM01518

Method used: /chem/HP09915.i/06jun13b.b/L8260W.m Sublist used: CHEVENV
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 14-Jun-2006 08:49 ads01731

Sample Name: OS2--MSD Lab Sample ID: 4791565

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
116) 1,1,2,2-Tetrachloroethane	(3)	12.163	83	194259	20.979
131) 1,3-Dichlorobenzene	(3)	12.893	146	270690	21.082
132)*1,4-Dichlorobenzene-d4	(3)	12.941	152	456702	50.000
133) 1,4-Dichlorobenzene	(3)	12.957	146	282670	20.866
139) 1,2-Dichlorobenzene	(3)	13.230	146	263135	20.759
51)$Dibromofluoromethane	(1)	6.639	113	270287	45.916
62)$1,2-Dichloroethane-d4	(1)	7.092	102	60801	45.167
89)$Toluene-d8	(2)	9.600	98	1071088	45.832
113)$4-Bromofluorobenzene	(2)	12.057	95	436487	41.956

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCSL28

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: LCSL28

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13a.b/lu13l03.d

Level: (low/med) LOW Date Received:

Moisture: not dec. _____ Date Analyzed: 06/13/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
75-71-8	Dichlorodifluoromethane	22	
74-87-3	Chloromethane	20	
75-01-4	Vinyl Chloride	21	
74-83-9	Bromomethane	18	
75-00-3	Chloroethane	19	
75-69-4	Trichlorofluoromethane	23	
60-29-7	Ethyl Ether	20	
107-02-8	Acrolein	150	
75-35-4	1,1-Dichloroethene	21	
76-13-1	Freon 113	21	
67-64-1	Acetone	200	
74-88-4	Methyl Iodide	19	
67-63-0	2-Propanol	160	
75-15-0	Carbon Disulfide	19	
107-05-1	Allyl Chloride	21	
79-20-9	Methyl Acetate	22	
75-09-2	Methylene Chloride	21	
75-65-0	t-Butyl Alcohol	190	
107-13-1	Acrylonitrile	100	
156-60-5	trans-1,2-Dichloroethene	21	
1634-04-4	Methyl Tertiary Butyl Ether	20	
110-54-3	n-Hexane	21	
75-34-3	1,1-Dichloroethane	21	
108-20-3	di-Isopropyl Ether	21	
126-99-8	2-Chloro-1,3-Butadiene	21	
540-59-0	1,2-Dichloroethene (total)	43	
637-92-3	Ethyl t-Butyl Ether	20	
156-59-2	cis-1,2-Dichloroethene	22	
78-93-3	2-Butanone	170	
594-20-7	2,2-Dichloropropane	20	

0259

FORM I VOA

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCSL28

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: LCSL28

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13a.b/lu13l03.d

Level: (low/med) LOW Date Received:

Moisture: not dec. _____ Date Analyzed: 06/13/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
107-12-0	Propionitrile	170	
126-98-7	Methacrylonitrile	170	
74-97-5	Bromochloromethane	21	
109-99-9	Tetrahydrofuran	110	
67-66-3	Chloroform	22	
71-55-6	1,1,1-Trichloroethane	21	
110-82-7	Cyclohexane	21	
563-58-6	1,1-Dichloropropene	22	
56-23-5	Carbon Tetrachloride	21	
78-83-1	Isobutyl Alcohol	550	
71-43-2	Benzene	22	
107-06-2	1,2-Dichloroethane	22	
994-05-8	t-Amyl Methyl Ether	20	
142-82-5	n-Heptane	21	
71-36-3	n-Butanol	1100	
79-01-6	Trichloroethene	22	
108-87-2	Methylcyclohexane	23	
78-87-5	1,2-Dichloropropane	22	
74-95-3	Dibromomethane	22	
80-62-6	Methyl Methacrylate	20	
123-91-1	1,4-Dioxane	570	
75-27-4	Bromodichloromethane	22	
79-46-9	2-Nitropropane	19	
110-75-8	2-Chloroethyl Vinyl Ether	21	
10061-01-5	cis-1,3-Dichloropropene	21	
108-10-1	4-Methyl-2-Pentanone	100	
108-88-3	Toluene	21	
10061-02-6	trans-1,3-Dichloropropene	22	
97-63-2	Ethyl Methacrylate	21	
79-00-5	1,1,2-Trichloroethane	21	

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCSL28

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: LCSL28

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13a.b/lu13l03.d

Level: (low/med) LOW Date Received:

Moisture: not dec. _____ Date Analyzed: 06/13/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
127-18-4	Tetrachloroethene	20	
142-28-9	1,3-Dichloropropane	21	
591-78-6	2-Hexanone	94	
124-48-1	Dibromochloromethane	20	
106-93-4	1,2-Dibromoethane	21	
108-90-7	Chlorobenzene	21	
630-20-6	1,1,1,2-Tetrachloroethane	20	
100-41-4	Ethylbenzene	21	
1330-20-7	m+p-Xylene	42	
1330-20-7	Xylene (Total)	63	
95-47-6	o-Xylene	21	
100-42-5	Styrene	21	
75-25-2	Bromoform	19	
98-82-8	Isopropylbenzene	21	
108-94-1	Cyclohexanone	730	
79-34-5	1,1,2,2-Tetrachloroethane	21	
108-86-1	Bromobenzene	20	
110-57-6	trans-1,4-Dichloro-2-Butene	97	
96-18-4	1,2,3-Trichloropropane	21	
103-65-1	n-Propylbenzene	21	
95-49-8	2-Chlorotoluene	21	
108-67-8	1,3,5-Trimethylbenzene	21	
106-43-4	4-Chlorotoluene	20	
98-06-6	tert-Butylbenzene	21	
76-01-7	Pentachloroethane	20	
95-63-6	1,2,4-Trimethylbenzene	21	
135-98-8	sec-Butylbenzene	21	
99-87-6	p-Isopropyltoluene	21	
541-73-1	1,3-Dichlorobenzene	20	
106-46-7	1,4-Dichlorobenzene	20	

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LCSL28

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: LCSL28

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP09915.i/06jun13a.b/lu13l03.d

Level: (low/med) LOW Date Received:

Moisture: not dec. _____ Date Analyzed: 06/13/06

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
526-73-8	1,2,3-Trimethylbenzene	20	
100-44-7	Benzyl Chloride	19	
141-93-5	1,3-Diethylbenzene	20	
105-05-5	1,4-Diethylbenzene	20	
104-51-8	n-Butylbenzene	22	
95-50-1	1,2-Dichlorobenzene	20	
135-01-3	1,2-Diethylbenzene	20	
96-12-8	1,2-Dibromo-3-Chloropropane	19	
120-82-1	1,2,4-Trichlorobenzene	19	
87-68-3	Hexachlorobutadiene	19	
91-20-3	Naphthalene	19	
87-61-6	1,2,3-Trichlorobenzene	19	
25340-17-4	Diethylbenzene (total)	60	

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FORM I VOA

LCSL28

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

LCSL28

File: /chem/HP09915.i/06jun13a.b/lu13l03.d
Sample: LCSL28;LCSL28;1;3;LCS;;;;lu13b03
Injected At:13-JUN-2006 17:33
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b03.d
Sublist: 8260W+CYC

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AA
Analyst:ADS01731
Instrument ID:HP09915.i
Standard Reference: lu13c01.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:

Internal Standards	RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
27) t-Butyl Alcohol-d10	4.083(-0.016)	778	65	257058(6)	250.00	
70) Fluorobenzene	7.562(-0.003)	1860	96	1106791(6)	50.00	
101) Chlorobenzene-d5	11.060(0.000)	2948	117	838670(7)	50.00	
132) 1,4-Dichlorobenzene-d4	12.941(0.000)	3533	152	480301(6)	50.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
51) Dibromofluoromethane	(1)	6.633(0.000)	113	281515	46.174	92%		80 - 116
62) 1,2-Dichloroethane-d4	(1)	7.099(-0.001)	102	62886	45.105	90%		77 - 113
89) Toluene-d8	(2)	9.597(0.000)	98	1114049	45.806	92%		80 - 113
113) 4-Bromofluorobenzene	(2)	12.057(0.000)	95	453068	41.846	84%		78 - 113

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
1) Dichlorodifluoromethane	(1)	1.884(0.000)	85	167932	21.632	21.63			2.00	5.00
2) Chloromethane	(1)	2.019(0.002)	50	153369	20.357	20.36			1.00	5.00
3) Vinyl Chloride	(1)	2.154(0.001)	62	143933	20.968	20.97			1.00	5.00
6) Bromomethane	(1)	2.462(0.001)	94	79238	17.763	17.76			1.00	5.00
7) Chloroethane	(1)	2.565(0.000)	64	67363	18.720	18.72			1.00	5.00
8) Trichlorofluoromethane	(1)	2.880(-0.006)	101	180297	22.517	22.52			2.00	5.00
10) Ethyl Ether	(1)	3.141(-0.001)	59	90411	20.102	20.10			2.00	5.00
15) Acrolein	(1)	3.292(-0.001)	56	255208	149.859	149.86			40.00	100.00
16) 1,1-Dichloroethene	(1)	3.427(0.000)	96	100999	20.793	20.79			0.80	5.00
17) Freon 113	(1)	3.450(0.000)	101	104994	20.643	20.64			2.00	10.00
18) Acetone	(1)	3.469(-0.001)	58	194113	196.637	196.64			6.00	20.00
20) Methyl Iodide	(1)	3.623(-0.001)	142	172283	18.969	18.97			1.00	5.00
21) 2-Propanol	(1)	3.642(-0.002)	45	113124	162.188	162.19			50.00	100.00
22) Carbon Disulfide	(1)	3.716(0.000)	76	344263	19.120	19.12			1.00	5.00
23) Allyl Chloride	(1)	3.884(-0.001)	41	216001	20.668	20.67			1.00	5.00
25) Methyl Acetate	(1)	3.903(-0.001)	43	161551	21.573	21.57			1.00	5.00
26) Methylene Chloride	(1)	4.051(0.000)	84	124556	20.943	20.94			2.00	5.00
28) t-Butyl Alcohol	(4)	4.202(0.002)	59	221588	188.921	188.92			10.00	80.00
29) Acrylonitrile	(1)	4.395(-0.001)	53	395060	103.912	103.91			4.00	20.00
30) trans-1,2-Dichloroethene	(1)	4.459(0.000)	96	113293	21.257	21.26			0.80	5.00
31) Methyl Tertiary Butyl Ether	(1)	4.459(0.001)	73	344891	19.736	19.74			0.50	5.00
33) n-Hexane	(1)	4.890(-0.001)	57	170046	21.177	21.18			2.00	5.00
40) 1,2-Dichloroethene (total)	(1)		96	236243	42.828	42.83			0.80	5.00
36) 1,1-Dichloroethane	(1)	5.099(-0.001)	63	220740	21.119	21.12			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

LCSL28

File: /chem/HP09915.i/06jun13a.b/lu13l03.d
Sample: LCSL28;LCSL28;1;3;LCS;;;;lu13b03
Injected At:13-JUN-2006 17:33
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b03.d
Sublist: 8260W+CYC

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AA
Analyst:ADS01731
Instrument ID:HP09915.i
Standard Reference: lu13c01.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
37) di-Isopropyl Ether	(1)	5.224	(-0.001)	45	447665	20.841	20.84			0.80	5.00
39) 2-Chloro-1,3-Butadiene	(1)	5.244	(-0.001)	53	182226	21.102	21.10			1.00	5.00
41) Ethyl t-Butyl Ether	(1)	5.758	(0.000)	59	350987	19.814	19.81			0.80	5.00
42) cis-1,2-Dichloroethene	(1)	5.957	(-0.001)	96	122950	21.571	21.57			0.80	5.00
43) 2-Butanone	(1)	5.970	(0.000)	72	208851	171.674	171.67			3.00	10.00
44) 2,2-Dichloropropane	(1)	5.967	(-0.001)	77	154467	20.456	20.46			1.00	5.00
45) Propionitrile	(1)	6.051	(-0.001)	54	244837	167.354	167.35			30.00	100.00
46) Methacrylonitrile	(1)	6.273	(0.000)	67	595894	169.805	169.81			10.00	50.00
47) Bromochloromethane	(1)	6.292	(0.000)	128	62917	21.090	21.09			1.00	5.00
48) Tetrahydrofuran	(1)	6.359	(0.000)	42	400293	109.499	109.50			4.00	10.00
49) Chloroform	(1)	6.414	(0.000)	83	212426	22.171	22.17			0.80	5.00
54) 1,1,1-Trichloroethane	(1)	6.675	(0.000)	97	173724	21.309	21.31			0.80	5.00
55) Cyclohexane	(1)	6.761	(0.000)	56	213994	21.232	21.23			2.00	5.00
58) 1,1-Dichloropropene	(1)	6.903	(0.000)	75	164961	21.856	21.86			1.00	5.00
59) Carbon Tetrachloride	(1)	6.909	(0.000)	117	154202	21.128	21.13			1.00	5.00
60) Isobutyl Alcohol	(1)	7.073	(0.000)	41	242940	545.753	545.75			100.00	250.00
63) Benzene	(1)	7.183	(0.000)	78	490015	21.688	21.69			0.50	5.00
64) 1,2-Dichloroethane	(1)	7.202	(0.000)	62	193144	22.276	22.28			1.00	5.00
67) t-Amyl Methyl Ether	(1)	7.353	(0.000)	73	312034	20.086	20.09			0.80	5.00
69) n-Heptane	(1)	7.568	(0.000)	100	22716	21.336	21.34			2.00	5.00
72) n-Butanol	(1)	7.961	(0.000)	56	358552	1059.514	1059.51			100.00	250.00
73) Trichloroethene	(1)	8.051	(0.000)	95	125368	21.593	21.59			1.00	5.00
77) 1,2-Dichloropropane	(1)	8.340	(0.000)	63	139865	21.682	21.68			1.00	5.00
74) Methylcyclohexane	(1)	8.311	(0.000)	83	196445	22.812	22.81			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

LCSL28

File: /chem/HP09915.i/06jun13a.b/lu13103.d
Sample: LCSL28;LCSL28;1;3;LCS;;;;lu13b03
Injected At:13-JUN-2006 17:33
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b03.d
Sublist: 8260W+CYC

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AA
Analyst:ADS01731
Instrument ID:HP09915.i
Standard Reference: lu13c01.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
80) Methyl Methacrylate	(1)	8.504	(0.000)	69	117851	20.450	20.45			1.00	5.00
79) Dibromomethane	(1)	8.488	(0.000)	93	86498	21.537	21.54			1.00	5.00
81) 1,4-Dioxane	(1)	8.517	(0.000)	88	50803	569.954	569.95			70.00	250.00
82) Bromodichloromethane	(1)	8.700	(0.000)	83	158862	21.965	21.97			1.00	5.00
83) 2-Nitropropane	(1)	8.990	(0.000)	41	50089	18.867	18.87			2.00	10.00
84) 2-Chloroethyl Vinyl Ether	(1)	9.096	(0.001)	63	103948	20.786	20.79			2.00	10.00
85) cis-1,3-Dichloropropene	(1)	9.279	(0.000)	75	200218	20.710	20.71			1.00	5.00
87) 4-Methyl-2-Pentanone	(1)	9.465	(0.001)	43	1211678	102.839	102.84			3.00	10.00
90) Toluene	(2)	9.674	(0.000)	92	294538	20.789	20.79			0.70	5.00
91) trans-1,3-Dichloropropene	(2)	9.919	(0.000)	75	191894	21.568	21.57			1.00	5.00
92) Ethyl Methacrylate	(2)	10.025	(0.000)	69	203512	20.515	20.51			1.00	5.00
93) 1,1,2-Trichloroethane	(2)	10.108	(0.000)	97	114508	20.617	20.62			0.80	5.00
94) Tetrachloroethene	(2)	10.269	(0.000)	166	124765	20.480	20.48			0.80	5.00
95) 1,3-Dichloropropane	(2)	10.285	(0.000)	76	214255	21.135	21.13			1.00	5.00
96) 2-Hexanone	(2)	10.369	(0.000)	43	956466	93.823	93.82			3.00	10.00
98) Dibromochloromethane	(2)	10.514	(0.000)	129	123535	19.882	19.88			1.00	5.00
100) 1,2-Dibromoethane	(2)	10.623	(0.000)	107	129808	20.575	20.58			1.00	5.00
102) Chlorobenzene	(2)	11.086	(0.000)	112	337358	20.742	20.74			0.80	5.00
103) 1,1,1,2-Tetrachloroethane	(2)	11.163	(0.000)	131	115124	20.462	20.46			1.00	5.00
104) Ethylbenzene	(2)	11.189	(0.000)	91	574884	21.031	21.03			0.80	5.00
105) m+p-Xylene	(2)	11.288	(0.000)	106	451159	42.099	42.10			0.80	5.00
106) Xylene (Total)	(2)			106	664632	62.951	62.95			0.80	5.00
107) o-Xylene	(2)	11.633	(0.000)	106	213473	20.852	20.85			0.80	5.00
108) Styrene	(2)	11.642	(0.000)	104	356980	20.786	20.79			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

LCSL28

File: /chem/HP09915.i/06jun13a.b/lu13l03.d
Sample: LCSL28;LCSL28;1;3;LCS;;;;lu13b03
Injected At:13-JUN-2006 17:33
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b03.d
Sublist: 8260W+CYC

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AA
Analyst:ADS01731
Instrument ID:HP09915.i
Standard Reference: lu13c01.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
109) Bromoform	(2)	11.796	(0.000)	173	92053	19.128	19.13			1.00	5.00
111) Isopropylbenzene	(2)	11.935	(0.000)	105	540037	20.862	20.86			1.00	5.00
115) Cyclohexanone	(2)	12.012	(0.000)	55	309503	729.379	729.38			55.00	250.00
116) 1,1,2,2-Tetrachloroethane	(3)	12.163	(0.000)	83	202954	20.841	20.84			1.00	5.00
118) trans-1,4-Dichloro-2-Butene	(3)	12.205	(0.000)	53	335151	97.397	97.40			15.00	50.00
117) Bromobenzene	(3)	12.186	(0.000)	156	145851	20.400	20.40			1.00	5.00
119) 1,2,3-Trichloropropane	(3)	12.202	(0.000)	110	57376	21.482	21.48			1.00	5.00
120) n-Propylbenzene	(3)	12.259	(0.000)	120	159625	20.890	20.89			1.00	5.00
122) 2-Chlorotoluene	(3)	12.333	(0.000)	126	137906	20.528	20.53			1.00	5.00
123) 1,3,5-Trimethylbenzene	(3)	12.388	(0.000)	120	230235	20.784	20.78			1.00	5.00
125) 4-Chlorotoluene	(3)	12.414	(0.000)	126	143608	20.264	20.26			1.00	5.00
126) tert-Butylbenzene	(3)	12.642	(0.000)	134	100705	20.897	20.90			1.00	5.00
127) Pentachloroethane	(3)	12.665	(0.000)	167	88334	19.556	19.56			1.00	5.00
128) 1,2,4-Trimethylbenzene	(3)	12.677	(0.000)	105	494929	21.289	21.29			1.00	5.00
129) sec-Butylbenzene	(3)	12.803	(0.000)	134	116398	21.304	21.30			1.00	5.00
130) p-Isopropyltoluene	(3)	12.903	(0.000)	134	136056	21.290	21.29			1.00	5.00
131) 1,3-Dichlorobenzene	(3)	12.896	(0.000)	146	275949	20.436	20.44			1.00	5.00
133) 1,4-Dichlorobenzene	(3)	12.957	(0.000)	146	290509	20.391	20.39			1.00	5.00
134) 1,2,3-Trimethylbenzene	(3)	12.989	(0.000)	120	214736	20.096	20.10			1.00	5.00
135) Benzyl Chloride	(3)	13.050	(0.000)	91	370127	19.395	19.39			1.00	5.00
136) 1,3-Diethylbenzene	(3)	13.118	(0.000)	119	295361	19.964	19.96			1.00	5.00
137) 1,4-Diethylbenzene	(3)	13.179	(0.000)	119	312375	20.218	20.22			1.00	5.00
138) n-Butylbenzene	(3)	13.198	(0.000)	92	255989	21.570	21.57			1.00	5.00
139) 1,2-Dichlorobenzene	(3)	13.231	(0.000)	146	268409	20.134	20.13			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

LCSL28

File: /chem/HP09915.i/06jun13a.b/lu13l03.d
Sample: LCSL28;LCSL28;1;3;LCS;;;;lu13b03
Injected At:13-JUN-2006 17:33
Calibration Time: 06-JUN-2006 17:02
Target Method: L8260W.m
Blank Reference: lu13b03.d
Sublist: 8260W+CYC

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:L061642AA
Analyst:ADS01731
Instrument ID:HP09915.i
Standard Reference: lu13c01.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)
Bottle Code:

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
140) 1,2-Diethylbenzene	(3)	13.266	(0.000)	119	247918	19.808	19.81			1.00	5.00
141) 1,2-Dibromo-3-Chloropropane	(3)	13.764	(0.000)	75	43082	19.012	19.01			2.00	5.00
142) 1,2,4-Trichlorobenzene	(3)	14.324	(0.000)	180	189549	19.362	19.36			1.00	5.00
143) Hexachlorobutadiene	(3)	14.427	(0.000)	225	73565	19.380	19.38			2.00	5.00
144) Naphthalene	(3)	14.494	(0.000)	128	569581	19.363	19.36			1.00	5.00
145) 1,2,3-Trichlorobenzene	(3)	14.648	(0.000)	180	182201	19.245	19.24			1.00	5.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Comments:

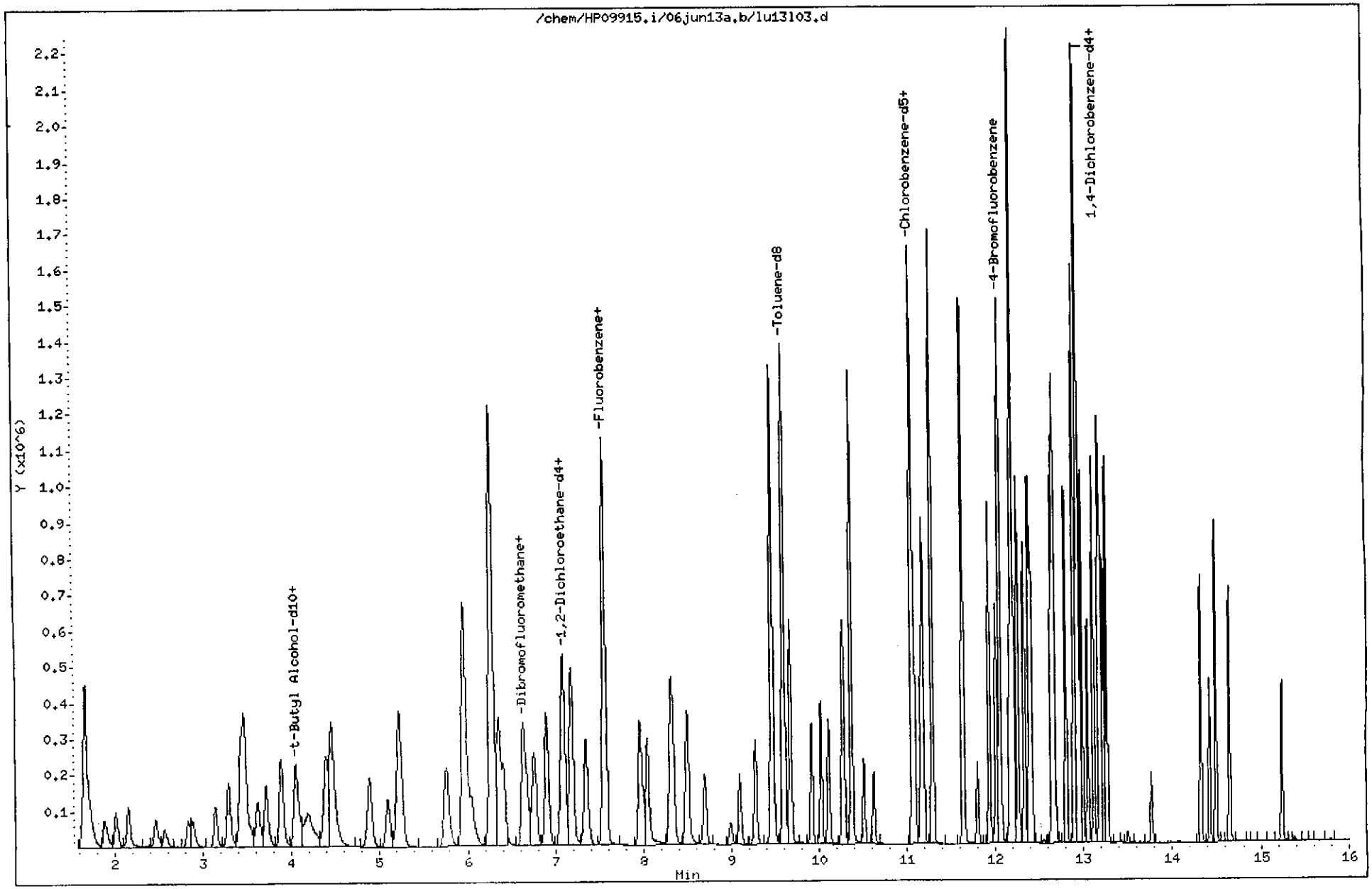
Analyst: Date: 6/13/06

Auditor: Date: 6/14/06

Data File: /chem/HP09915.i/06jun13a.b/lu13103.d
Date : 13-JUN-2006 17:33
Client ID: LCSL28
Sample Info: LCSL28;LCSL28;1;3;LCS;;;;lu13b03
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP09915.i

Operator: ADS01731
Column diameter: 0.25



Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun13a.b/lu13l03.d Instrument ID: HP09915.i
Injection date and time: 13-JUN-2006 17:33 Analyst ID: ADS01731

Method used: /chem/HP09915.i/06jun13a.b/L8260W.m Sublist used: 8260W+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 13-Jun-2006 18:20 lcm01518

Sample Name: LCSL28 Lab Sample ID: LCSL28

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
1) Dichlorodifluoromethane	(1)	1.884	85	167932	21.632
2) Chloromethane	(1)	2.019	50	153369	20.357
3) Vinyl Chloride	(1)	2.154	62	143933	20.968
6) Bromomethane	(1)	2.462	94	79238	17.763
7) Chloroethane	(1)	2.565	64	67363	18.720
8) Trichlorofluoromethane	(1)	2.880	101	180297	22.517
10) Ethyl Ether	(1)	3.141	59	90411	20.102
15) Acrolein	(1)	3.292	56	255208	149.859
16) 1,1-Dichloroethene	(1)	3.427	96	100999	20.793
17) Freon 113	(1)	3.450	101	104994	20.643
18) Acetone	(1)	3.469	58	194113	196.637
20) Methyl Iodide	(1)	3.623	142	172283	18.969
21) 2-Propanol	(1)	3.642	45	113124	162.188
22) Carbon Disulfide	(1)	3.716	76	344263	19.120
23) Allyl Chloride	(1)	3.884	41	216001	20.668
25) Methyl Acetate	(1)	3.903	43	161551	21.573
26) Methylene Chloride	(1)	4.051	84	124556	20.943
27) *t-Butyl Alcohol-d10	(4)	4.083	65	257058	250.000
28) t-Butyl Alcohol	(4)	4.202	59	221588	188.921
29) Acrylonitrile	(1)	4.395	53	395060	103.912
30) trans-1,2-Dichloroethene	(1)	4.459	96	113293	21.257
31) Methyl Tertiary Butyl Ether	(1)	4.459	73	344891	19.736
33) n-Hexane	(1)	4.890	57	170046	21.177
40) 1,2-Dichloroethene (total)	(1)		96	236243	42.828
36) 1,1-Dichloroethane	(1)	5.099	63	220740	21.119
37) di-Isopropyl Ether	(1)	5.224	45	447665	20.841
39) 2-Chloro-1,3-Butadiene	(1)	5.244	53	182226	21.102
41) Ethyl t-Butyl Ether	(1)	5.758	59	350987	19.814
42) cis-1,2-Dichloroethene	(1)	5.957	96	122950	21.571
43) 2-Butanone	(1)	5.970	72	208851	171.674
44) 2,2-Dichloropropane	(1)	5.967	77	154467	20.456
45) Propionitrile	(1)	6.051	54	244837	167.354
46) Methacrylonitrile	(1)	6.273	67	595894	169.805
47) Bromochloromethane	(1)	6.292	128	62917	21.090

0269

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun13a.b/lu13l03.d Instrument ID: HP09915.i
Injection date and time: 13-JUN-2006 17:33 Analyst ID: ADS01731

Method used: /chem/HP09915.i/06jun13a.b/L8260W.m Sublist used: 8260W+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 13-Jun-2006 18:20 lcm01518

Sample Name: LCSL28 Lab Sample ID: LCSL28

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
48) Tetrahydrofuran	(1)	6.359	42	400293	109.499
49) Chloroform	(1)	6.414	83	212426	22.171
54) 1,1,1-Trichloroethane	(1)	6.675	97	173724	21.309
55) Cyclohexane	(1)	6.761	56	213994	21.232
58) 1,1-Dichloropropene	(1)	6.903	75	164961	21.856
59) Carbon Tetrachloride	(1)	6.909	117	154202	21.128
60) Isobutyl Alcohol	(1)	7.073	41	242940	545.753
63) Benzene	(1)	7.183	78	490015	21.688
64) 1,2-Dichloroethane	(1)	7.202	62	193144	22.276
67) t-Amyl Methyl Ether	(1)	7.353	73	312034	20.086
69) n-Heptane	(1)	7.568	100	22716	21.336
70) *Fluorobenzene	(1)	7.562	96	1106791	50.000
72) n-Butanol	(1)	7.961	56	358552	1059.514
73) Trichloroethene	(1)	8.051	95	125368	21.593
77) 1,2-Dichloropropane	(1)	8.340	63	139865	21.682
74) Methylcyclohexane	(1)	8.311	83	196445	22.812
80) Methyl Methacrylate	(1)	8.504	69	117851	20.450
79) Dibromomethane	(1)	8.488	93	86498	21.537
81) 1,4-Dioxane	(1)	8.517	88	50803	569.954
82) Bromodichloromethane	(1)	8.700	83	158862	21.965
83) 2-Nitropropane	(1)	8.990	41	50089	18.867
84) 2-Chloroethyl Vinyl Ether	(1)	9.096	63	103948	20.786
85) cis-1,3-Dichloropropene	(1)	9.279	75	200218	20.710
87) 4-Methyl-2-Pentanone	(1)	9.465	43	1211678	102.839
90) Toluene	(2)	9.674	92	294538	20.789
91) trans-1,3-Dichloropropene	(2)	9.919	75	191894	21.568
92) Ethyl Methacrylate	(2)	10.025	69	203512	20.515
93) 1,1,2-Trichloroethane	(2)	10.108	97	114508	20.617
94) Tetrachloroethene	(2)	10.269	166	124765	20.480
95) 1,3-Dichloropropane	(2)	10.285	76	214255	21.135
96) 2-Hexanone	(2)	10.369	43	956466	93.823
98) Dibromochloromethane	(2)	10.514	129	123535	19.882
100) 1,2-Dibromoethane	(2)	10.623	107	129808	20.575
101) *Chlorobenzene-d5	(2)	11.060	117	838670	50.000

0276

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun13a.b/lu13l03.d Instrument ID: HP09915.i
Injection date and time: 13-JUN-2006 17:33 Analyst ID: ADS01731

Method used: /chem/HP09915.i/06jun13a.b/L8260W.m Sublist used: 8260W+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 13-Jun-2006 18:20 lcm01518

Sample Name: LCSL28 Lab Sample ID: LCSL28

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
102) Chlorobenzene	(2)	11.086	112	337358	20.742
103) 1,1,1,2-Tetrachloroethane	(2)	11.163	131	115124	20.462
104) Ethylbenzene	(2)	11.189	91	574884	21.031
105) m+p-Xylene	(2)	11.288	106	451159	42.099
106) Xylene (Total)	(2)		106	664632	62.951
107) o-Xylene	(2)	11.633	106	213473	20.852
108) Styrene	(2)	11.642	104	356980	20.786
109) Bromoform	(2)	11.796	173	92053	19.128
111) Isopropylbenzene	(2)	11.935	105	540037	20.862
115) Cyclohexanone	(2)	12.012	55	309503	729.379
116) 1,1,2,2-Tetrachloroethane	(3)	12.163	83	202954	20.841
118) trans-1,4-Dichloro-2-Butene	(3)	12.205	53	335151	97.397
117) Bromobenzene	(3)	12.186	156	145851	20.400
119) 1,2,3-Trichloropropane	(3)	12.202	110	57376	21.482
120) n-Propylbenzene	(3)	12.259	120	159625	20.890
122) 2-Chlorotoluene	(3)	12.333	126	137906	20.528
123) 1,3,5-Trimethylbenzene	(3)	12.388	120	230235	20.784
125) 4-Chlorotoluene	(3)	12.414	126	143608	20.264
126) tert-Butylbenzene	(3)	12.642	134	100705	20.897
127) Pentachloroethane	(3)	12.665	167	88334	19.556
128) 1,2,4-Trimethylbenzene	(3)	12.677	105	494929	21.289
129) sec-Butylbenzene	(3)	12.803	134	116398	21.304
130) p-Isopropyltoluene	(3)	12.903	134	136056	21.290
131) 1,3-Dichlorobenzene	(3)	12.896	146	275949	20.436
132)*1,4-Dichlorobenzene-d4	(3)	12.941	152	480301	50.000
133) 1,4-Dichlorobenzene	(3)	12.957	146	290509	20.391
134) 1,2,3-Trimethylbenzene	(3)	12.989	120	214736	20.096
135) Benzyl Chloride	(3)	13.050	91	370127	19.395
136) 1,3-Diethylbenzene	(3)	13.118	119	295361	19.964
137) 1,4-Diethylbenzene	(3)	13.179	119	312375	20.218
138) n-Butylbenzene	(3)	13.198	92	255989	21.570
139) 1,2-Dichlorobenzene	(3)	13.231	146	268409	20.134
140) 1,2-Diethylbenzene	(3)	13.266	119	247918	19.808
141) 1,2-Dibromo-3-Chloropropane	(3)	13.764	75	43082	19.012

8271

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP09915.i/06jun13a.b/lu13103.d Instrument ID: HP09915.i
Injection date and time: 13-JUN-2006 17:33 Analyst ID: ADS01731

Method used: /chem/HP09915.i/06jun13a.b/L8260W.m Sublist used: 8260W+CYC
Calibration date and time: 06-JUN-2006 17:02
Date, time and analyst ID of latest file update: 13-Jun-2006 18:20 lcm01518

Sample Name: LCSL28 Lab Sample ID: LCSL28

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
142) 1,2,4-Trichlorobenzene	(3)	14.324	180	189549	19.362
143) Hexachlorobutadiene	(3)	14.427	225	73565	19.380
144) Naphthalene	(3)	14.494	128	569581	19.363
145) 1,2,3-Trichlorobenzene	(3)	14.648	180	182201	19.245
51) $Dibromofluoromethane	(1)	6.633	113	281515	46.174
62) $1,2-Dichloroethane-d4	(1)	7.099	102	62886	45.105
89) $Toluene-d8	(2)	9.597	98	1114049	45.806
113) $4-Bromofluorobenzene	(2)	12.057	95	453068	41.846

$ = Compound is a surrogate standard.

8272

Preparation Logs

2425 New Holland Pike • Lancaster, PA 17601

GC/MS Volatiles pH Log

Batch #: L O 6 1 6 4 2 A A

LLI #	pH	Date Checked	Initials/ Employee #	Comments
4791555	<2	6/13/06	LCM/1518	
4791556	<2	6/13/06	LCM/1518	
4791558	<2	6/13/06	LCM/1518	
4791559	<2	6/13/06	LCM/1518	
4791560	<2	6/13/06	LCM/1518	
				8274

2425 New Holland Pike • Lancaster, PA 17601

GC/MS Volatiles pH Log

Batch #: L061642AB

LLI #	pH	Date Checked	Initials/ Employee #	Comments
4791563	<2	6/14/06	ADS/1731	
4791564	<2	6/14/06	ADS/1731	
4791565	<2	6/14/06	ADS/1731	
4791567	<2	6/14/06	ADS/1731	
4791568	<2	6/14/06	ADS/1731	
4791569	<2	6/14/06	ADS/1731	
4791570	<2	6/14/06	ADS/1731	
4791561	<2	6/14/06	ADS/1731	
4791562	<2	6/14/06	ADS/1731	
				0275

Lancaster Laboratories
Runlog for Hewelet Packard GC/MS System HP09915 **HP #09**

** Shift #1 Analyst:_____** Shift #2 Analyst:__KEB_____** Shift #3 Analyst:__SJG_____*

Comment Code:
R = Reinjection necessary
S = Surrogate problem
NU = Not used
MR = Meets requirements
Cz = Confirms z, (z = S, I or X)
X = Sample sent to be reextracted
I = Internal Standard problem
F = Further dilution required
IUO = Internal use only
T = Injected outside valid tune period

Other problems or comments are as follows:

_____
_____
_____8260B WATERS_____
_____

Data Directory Path is - D:\DATA\06JUN06B\

FILE	SAMPLE	LLI#	DATE	TIME	BATCH	D.F.	NOTES
LU06T03.D	2UL BFBFEB23	50 NG BFB	06 Jun 06	16:40			MR
LU06I01.D	VSTD300	VSTD300	06 Jun 06	17:02			NU
LU06I02.D	VSTD100	VSTD100	06 Jun 06	17:25			MR
LU06I03.D	VSTD050	VSTD050	06 Jun 06	17:47			MR
LU06I04.D	VSTD020	VSTD020	06 Jun 06	18:10			MR
LU06I05.D	VSTD010	VSTD010	06 Jun 06	18:32			NU
LU06I06.D	VSTD004	VSTD004	06 Jun 06	18:55			MR
LU06M01.D	VSTD001	1 PPB MDL	06 Jun 06	19:18			MR
LU06I07.D	VSTD300	VSTD300	06 Jun 06	19:40			MR
LU06X01.D	CLNBLK	CLNBLK	06 Jun 06	20:03			NU
LU06I08.D	VSTD010	VSTD010	06 Jun 06	20:30			MR
LU06B10.D	VBLKL19	VBLKL19	06 Jun 06	21:21	L061532AB		NU
LU06L10.D	LCSL19	LCSL19	06 Jun 06	21:44	L061521AA		NU
LU06B11.D	VBLKL19	VBLKL19	06 Jun 06	22:08	L061571AA		MR
LU01L10.D	LCSL19	LCSL19	06 Jun 06	22:59	L061571AA		MR
LU01L11.D	LCDL19	LCDL19	06 Jun 06	23:22	L061571AA		MR
LU06S01.D	GWWTB	4781789	07 Jun 06	00:11	L061571AA		MR
LU06S02.D	GWW3R	4781786	07 Jun 06	00:34	L061571AA		MR
LU06S03.D	GWW4R	4781787	07 Jun 06	00:56	L061571AA		MR
LU06S04.D	GWW4RMS	4781787	07 Jun 06	01:19	L061571AA		MR
LU06S05.D	GWW7R	4781788	07 Jun 06	01:41	L061571AA		MR
LU06S06.D	NAS01	4785529	07 Jun 06	02:04	L061571AA		MR
LU06S07.D	NAS01DL	4785529	07 Jun 06	02:26	L061571AA	10	F
LU06S08.D	NAS03	4785530	07 Jun 06	02:49	L061571AA		NU/CO
LU06S09.D	NAS4R	4785531	07 Jun 06	03:11	L061571AA		MR
LU06S10.D	NAS06	4785532	07 Jun 06	03:34	L061571AA		MR
LU06S11.D	NASTB	4785533	07 Jun 06	03:57	L061571AA		NU/CO
LU06S12.D	GWW7RDL	4781788	07 Jun 06	04:19	L061571AA	5	MR
LU06S13.D	NAS06DL	4785532	07 Jun 06	04:47	L061571AA	10	T/NU
LU06S14.D	234AX	4785397	07 Jun 06	05:23	L061571AA		T/NU
LU06S15.D	233AC	4785398	07 Jun 06	05:46	L061571AA		T/NU
LU06S16.D	P1A3X	4785399	07 Jun 06	06:08	L061571AA		T/NU
LU06S17.D	FB602	4785400	07 Jun 06	06:31	L061571AA		T/NU
LU06S18.D	RFP14	4785401	07 Jun 06	06:54	L061571AA		T/NU
LU06S19.D	NAS01DL2	4785529	07 Jun 06	07:29	L061571AA	100	T/NU
LU06S20.D	NAS03	4785530	07 Jun 06	07:52	L061571AA		T/NU

Lancaster Laboratories
Runlog for Hewelet Packard GC/MS System HP09915 **HP #09**

** Shift #1 Analyst:___ADS_____** Shift #2 Analyst:___LCM_____** Shift #3 Analyst:_____*

Comment Code:
R = Reinjection necessary
S = Surrogate problem
NU = Not used
MR = Meets requirements
Cz = Confirms z, (z = S, I or X)
X = Sample sent to be reextracted
I = Internal Standard problem
F = Further dilution required
IUO = Internal use only
T = Injected outside valid tune period

Other problems or comments are as follows:

_____
_____8260B WATERS_____
_____
_____

Data Directory Path is - D:\DATA\06JUN13A\

FILE	SAMPLE	LLI#	DATE	TIME	BATCH	D.F.	NOTES
LU13T01.D	2UL BFBFEB23	50 NG BFB	13 Jun 06	08:05			MR
LU13C01.D	VSTD050	VSTD050	13 Jun 06	08:28			MR
LU13B01.D	VBLKL26	VBLKL26	13 Jun 06	08:50	L061641AA		MR
LU13L01.D	LCSL26	LCSL26	13 Jun 06	09:19	L061641AA		MR
LU13L02.D	LCDL26	LCDL26	13 Jun 06	09:42	L061641AA		MR
LU13B02.D	VBLKL27	VBLKL27	13 Jun 06	10:04	L061641AB		MR
LU13S01.D	STH03	4788991	13 Jun 06	10:39	L061641AB		MR
LU13S02.D	STH03MS	4788991	13 Jun 06	11:02	L061641AB		MR
LU13S03.D	STH02	4788992	13 Jun 06	11:24	L061641AB		MR
LU13S04.D	STH06	4788993	13 Jun 06	11:47	L061641AB		MR
LU13S05.D	STH05	4788994	13 Jun 06	12:10	L061641AB		F
LU13S06.D	STHP1	4788995	13 Jun 06	12:32	L061641AB		MR
LU13S07.D	STHE1	4788996	13 Jun 06	12:55	L061641AB		MR
LU13S08.D	STHTB	4788997	13 Jun 06	13:18	L061641AB		MR
LU13S09.D	STH01	4788998	13 Jun 06	13:40	L061641AB		MR
LU13S10.D	HRT03	4791619	13 Jun 06	14:03	L061641AB		MR
LU13S11.D	HRT01	4791620	13 Jun 06	14:26	L061641AB		MR
LU13S12.D	HRT02	4791621	13 Jun 06	14:49	L061641AB		F
LU13S13.D	HRT02DL	4791621	13 Jun 06	15:11	L061641AB	10	MR
LU13S14.D	HRT04	4791622	13 Jun 06	15:34	L061641AB		MR
LU13S15.D	HRT05	4791623	13 Jun 06	15:57	L061641AB		MR
LU13S24.D	STH05DL	4788994	13 Jun 06	16:19	L061641AB	10	MR
LU13B03.D	VBLKL28	VBLKL28	13 Jun 06	16:42	L061642AA		MR
LU13L03.D	LCSL28	LCSL28	13 Jun 06	17:33	L061642AA		MR
LU13S16.D	-TF5-	4791555	13 Jun 06	18:13	L061642AA		MR
LU13S17.D	-TF23	4791556	13 Jun 06	18:36	L061642AA		MR
LU13S18.D	-DC2-	4791558	13 Jun 06	18:59	L061642AA		MR
LU13S19.D	-DC1-	4791559	13 Jun 06	19:21	L061642AA		MR
LU13S20.D	DB8B-	4791560	13 Jun 06	19:44	L061642AA	@277	MR

Lancaster Laboratories
Runlog for Hewelet Packard GC/MS System HP09915 **HP #09**

** Shift #1 Analyst: ADS ** Shift #2 Analyst: LCM ** Shift #3 Analyst: _____ *

Comment Code:
R = Reinjection necessary
S = Surrogate problem
NU = Not used
MR = Meets requirements
Cz = Confirms z, (z = S, I or X)
X = Sample sent to be reextracted
I = Internal Standard problem
F = Further dilution required
IUO = Internal use only
T = Injected outside valid tune period

Other problems or comments are as follows:

8260B WATERS

Data Directory Path is - D:\DATA\06JUN13B\

FILE	SAMPLE	LLI#	DATE	TIME	BATCH	D.F.	NOTES
LU13T04.D	2UL BFBFEB23	50 NG BFB	13 Jun 06	20:50			MR
LU13C02.D	VSTD100	VSTD100	13 Jun 06	21:12			MR
LU13X55.D	BLANK	BLANK	13 Jun 06	21:35	L061642AB		NU
LU13B05.D	VBLKL29	VBLKL29	13 Jun 06	21:57	L061642AB		MR
LU13L05.D	LCSL29	LCSL29	13 Jun 06	22:20	L061643AA		MR
LU13S30.D	OS2--	4791563	13 Jun 06	22:43	L061642AB		MR
LU13S31.D	OS2--MS	4791564	13 Jun 06	23:05	L061642AB		MR
LU13S32.D	OS2--MSD	4791565	13 Jun 06	23:28	L061642AB		MR
LU13S33.D	TB1RC	4791567	13 Jun 06	23:50	L061642AB		MR
LU13S34.D	OR2--	4791568	14 Jun 06	00:13	L061642AB		MR
LU13S35.D	OS3--	4791569	14 Jun 06	00:36	L061642AB		MR
LU13S36.D	OR3--	4791570	14 Jun 06	00:58	L061642AB		MR
LU13S37.D	DB108	4791561	14 Jun 06	01:21	L061642AB		MR
LU13S38.D	DB17-	4791562	14 Jun 06	01:43	L061642AB		MR
LU13S39.D	NPDES	4791709	14 Jun 06	02:06	L061643AA		MR
LU13S40.D	BCYN4	4791710	14 Jun 06	02:28	L061643AA	5	F
LU13S41.D	BCYN4DL	4791710	14 Jun 06	02:51	L061643AA	50	MR
LU13S42.D	BCYN3	4791711	14 Jun 06	03:14	L061643AA		MR
LU13S43.D	BCYN1	4791712	14 Jun 06	03:36	L061643AA	10	F
LU13S44.D	BCYN1MS	4791713	14 Jun 06	03:59	L061643AA	10	F
LU13S45.D	BCYN1MSD	4791714	14 Jun 06	04:21	L061643AA	10	F
LU13S46.D	BCYN1DL	4791712	14 Jun 06	04:44	L061643AA	100	MR
LU13S47.D	VTB25	4792148	14 Jun 06	05:07	L061643AA		MR
LU13S48.D	AEW25	4792137	14 Jun 06	05:29	L061643AA	10	MR
LU13S49.D	ASU25	4792140	14 Jun 06	05:52	L061643AA		MR
LU13S50.D	DST25	4792141	14 Jun 06	06:14	L061643AA		MR
LU13S51.D	DCS25	4792142	14 Jun 06	06:37	L061643AA	5	MR
LU13S52.D	CCR25	4792143	14 Jun 06	07:00	L061643AA	5	MR
LU13S53.D	RWA25	4792145	14 Jun 06	07:22	L061643AA	2578	MR
LU13S54.D	BRE25	4792146	14 Jun 06	07:45	L061643AA	25	MR
LU13S55.D	BRI25	4792147	14 Jun 06	08:08	L061643AA	100	MR

Semivolatiles by GC/MS Data

Case Narrative
Conformance/Nonconformance Summary

Lancaster Laboratories
Where quality is a science.

CASE NARRATIVE

Client: Chevron Environmental Mgmt.
SDG #: CBN23

LANCASTER LABORATORIES
SEMIVOLATILES BY GC/MS

SAMPLE NUMBER(S) :

LL #'s	Sample Code	Matrix Water	Comments
4791555	-TF5-	X	
4791556	-TF23	X	
4791558	-DC2-	X	
4791559	-DC1-	X	
4791560	DB8B-	X	
4791561	DB108	X	
4791562	DB17-	X	
4791563	OS2--	X	Unspiked
4791564	OS2--MS	X	Matrix Spike
4791565	OS2--MSD	X	Matrix Spike Dup
4791568	OR2--	X	
4791569	OS3--	X	
4791570	OR3--	X	
LABORATORY SUBMITTED QC:			
SBLKWA163	SBLKWA163O	X	Method Blank
163WALCS	163WALCSO	X	Lab Control Sample

SAMPLE PREPARATION:

At the time of data package assembly the extract chain of custody for BNA Analysis for samples 4791555-56, 58-65, 68-70 could not be located. The information concerning analyst and date of analysis can be determined from the raw data in the Semivolatiles data section.

Case Narrative (continued)
SDG: CBN23

Due to insufficient sample, reduced volumes were used in the extraction of a number of samples. Refer to the Organic Extraction Batchlog.

No other problems were encountered during the extraction of these samples.

ANALYSIS:

The method used for analysis was SW-846 8270C.

No problems were encountered during the analysis of these samples.

QUALITY CONTROL AND NONCONFORMANCE SUMMARY:

All QC was within specifications.

DATA INTERPRETATION:

Only non-conformances for client requested compounds are addressed in this case narrative.

The % drift windows on the initial calibration verification summary are advisory until statistical windows can be derived.

No further interpretation is necessary for the data submitted.

Case Narrative Reviewed and Approved by:

Grace Salm for DMK. Date: 7-7-06

Dana M. Kauffman
Manager, Data Deliverables

0282

GC/MS Semivolatiles CALCULATIONS:

1. Relative response factor (RRF)

$$RRF = \frac{AX}{Ais} \times \frac{Cis}{Cx}$$

Where:
Ax = Area of the characteristic ion for the compound to be measured
Ais = Area of the characteristic ion for the specific internal standard to be measured
Cis = Concentration of the internal standard
Cx = Concentration of the compound to be measured

2. % Relative Standard Deviation (%RPD)

$$\%RSD = \frac{\text{standard deviation}}{\text{mean}} \times 100$$

3. % Difference (%D)

$$\%D = \frac{RRFc - RRFi}{RRFi} \times 100$$

Where:
RRFc = Relative response factor from continuing calibration standard
RRFi = Mean relative response factor form the initial calibration

4. Concentration

$$\text{Concentration (ug/l)} = \frac{(Ax)\ (Is)\ (Df)\ (Vt)}{(Ais)\ (RRF)\ (Vo)\ (Vi)}$$

Where:
Ax, Ais, and RRF are as given in 1. above
Is = Amount of internal standard added in parts per billion (ng)
Df = Dilution factor
Vt = volume of the concentrated extract (ul)
Vo = volume of water extracted (ml)
Vi = volume of extract injected (ul)

5. % Recovery

$$\%Rec = \frac{SSR - SR}{SA} \times 100$$

Where:
SSR = Spiked sample result
SR = Sample result
SA = Spike added

GC/MS Semivolatiles CALCULATIONS (continued):

6. Relative Percent Difference (RPD)

$$RPD = \frac{|\ MSR - MSDR\ |}{(1/2)\ \ (MSR + MSDR)}$$

Where:
MSR = Matrix spike recovery
MSDR = Matrix spike duplicate recovery

QC Summary

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: Lancaster Laboratories Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: CBN23

	LL #'s	EPA SAMPLE NO.	S1 (2FP)#	S2 (PHL)#	S3 (TBP)#	S4 (NBZ)#	S5 (TPH)#	S6 (FBP)#	TOT OUT
01	4791555	-TF5-	N/A	N/A	N/A	94	108	99	0
02	4791556	-TF23	N/A	N/A	N/A	94	107	100	0
03	4791558	-DC2-	N/A	N/A	N/A	92	100	98	0
04	4791559	-DC1-	N/A	N/A	N/A	94	105	100	0
05	4791560	DB8B-	N/A	N/A	N/A	96	113	102	0
06	4791561	DB108	N/A	N/A	N/A	90	108	98	0
07	4791562	DB17-	N/A	N/A	N/A	89	104	99	0
08	4791563	OS2--	N/A	N/A	N/A	92	98	98	0
09	4791564	OS2--MS	N/A	N/A	N/A	97	92	101	0
10	4791565	OS2--MSD	N/A	N/A	N/A	98	97	99	0
11	4791568	OR2--	N/A	N/A	N/A	93	110	99	0
12	4791569	OS3--	N/A	N/A	N/A	94	109	102	0
13	4791570	OR3--	N/A	N/A	N/A	91	111	97	0
14	SBLKWA163	SBLKWA163O	67	42	100	99	113	100	0
15	163WALCS	163WALCSO	63	40	105	99	108	101	0

		QC LIMITS
S1 (2FP)	= 2-Fluorophenol	(10-99)
S2 (PHL)	= Phenol-d6	(10-80)
S3 (TBP)	= 2,4,6-Tribromophenol	(31-148)
S4 (NBZ)	= Nitrobenzene-d5	(51-123)
S5 (TPH)	= Terphenyl-d14	(52-151)
S6 (FBP)	= 2-Fluorobiphenyl	(64-112)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM II SV-1

WATER GC/MS SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: LANCASTER LABS Lab Code: LANCAS

UNSPIKED: of0688.d
OS2-- 4791563
AMT USED: 950.0 ml
FINAL VOL: 1 ml

MATRIX SPIKE: of0689.d
OS2--MS 4791564
AMT USED: 950.0 ml
FINAL VOL: 1 ml

SPIKE DUPLICATE: of0690.d
OS2--MSD 4791565
AMT USED: 950.0 ml
FINAL VOL: 1 ml

INSTRUMENT: HP09910 DILUTION FACTOR: 1 BATCH: 06163WAA026

%MOISTURE: EXTRACT SPIKE LEVEL: 105.26

COMPOUND NAME	MS SPIKE	MSD SPIKE	US CONC UG/L	MS CONC UG/L	MSD CONC UG/L	MS REC %	MSD REC %	Range LOWER-UPPER	INSPEC	RPD %	RPD MAX	INSPEC
1,3-Dichlorobenzene	105.26	105.26	ND	94.80	93.69	90	89	55-105	YES	1	30	YES
1,4-Dichlorobenzene	105.26	105.26	ND	95.16	95.05	90	90	50-112	YES	0	30	YES
1,2-Dichlorobenzene	105.26	105.26	ND	93.27	93.36	89	89	59-101	YES	0	30	YES

COMMENTS: _____

Lancaster Laboratories, Inc.
WATER Semi Volatile Laboratory Control Sample Recovery

LAB NAME: LANCASTER LABS LAB CODE: LANCAS INSTRUMENT: HP09910

Method: SW-846 8270C File ID: of0685.d

LCS SAMPLE NO: 163WALCS BATCH: 06163WAA026 Sample Code: 163WALCSO

COMPOUND NAME	SPIKE LEVEL	LCS CONC UG/L	QCREF REC %	RANGE LOWER-UPPER	INSPEC
Benzaldehyde	100.00	23.44	23	1 - 61	YES
Phenol	100.00	45.57	46	29 - 57	YES
bis(2-Chloroethyl)ether	100.00	84.43	84	57 - 110	YES
2-Chlorophenol	100.00	90.59	91	63 - 112	YES
1,3-Dichlorobenzene	100.00	88.32	88	52 - 106	YES
1,4-Dichlorobenzene	100.00	89.08	89	54 - 103	YES
1,2-Dichlorobenzene	100.00	85.23	85	58 - 100	YES
2-Methylphenol	100.00	79.69	80	56 - 105	YES
2,2'-oxybis(1-Chloropropane	100.00	109.48	109	68 - 133	YES
Acetophenone	100.00	90.82	91	66 - 103	YES
N-Nitroso-di-n-propylamine	100.00	85.81	86	56 - 109	YES
4-Methylphenol	100.00	74.50	74	51 - 98	YES
Hexachloroethane	100.00	87.10	87	33 - 116	YES
Nitrobenzene	100.00	92.66	93	61 - 111	YES
Isophorone	100.00	83.97	84	63 - 105	YES
2-Nitrophenol	100.00	102.83	103	83 - 119	YES
2,4-Dimethylphenol	100.00	88.86	89	60 - 107	YES
bis(2-Chloroethoxy)methane	100.00	99.71	100	69 - 119	YES
2,4-Dichlorophenol	100.00	90.76	91	66 - 110	YES
Naphthalene	100.00	92.96	93	70 - 104	YES
4-Chloroaniline	100.00	86.01	86	39 - 116	YES
Hexachlorobutadiene	100.00	89.09	89	32 - 123	YES
Caprolactam	100.00	28.69	29	20 - 34	YES
4-Chloro-3-methylphenol	100.00	94.79	95	74 - 113	YES
2-Methylnaphthalene	100.00	87.57	88	65 - 101	YES
Hexachlorocyclopentadiene	200.00	183.18	92	32 - 152	YES
2,4,6-Trichlorophenol	100.00	95.80	96	69 - 111	YES
2,4,5-Trichlorophenol	100.00	90.62	91	70 - 115	YES
1,1'-Biphenyl	100.00	94.91	95	73 - 106	YES
2-Chloronaphthalene	100.00	78.84	79	56 - 100	YES
2-Nitroaniline	100.00	99.18	99	73 - 115	YES
Dimethylphthalate	100.00	89.84	90	46 - 109	YES
2,6-Dinitrotoluene	100.00	97.02	97	70 - 108	YES
Acenaphthylene	100.00	101.54	102	84 - 123	YES
3-Nitroaniline	100.00	98.65	99	63 - 112	YES
Acenaphthene	100.00	98.83	99	68 - 111	YES
2,4-Dinitrophenol	100.00	78.74	79	44 - 130	YES
4-Nitrophenol	100.00	37.20	37	14 - 77	YES
Dibenzofuran	100.00	93.22	93	65 - 110	YES
2,4-Dinitrotoluene	100.00	101.30	101	75 - 122	YES
Diethylphthalate	100.00	94.86	95	61 - 110	YES
Fluorene	100.00	98.34	98	61 - 116	YES
4-Chlorophenyl-phenylether	100.00	93.79	94	65 - 110	YES
4-Nitroaniline	100.00	81.14	81	55 - 107	YES
4,6-Dinitro-2-methylphenol	100.00	86.83	87	56 - 130	YES
N-Nitrosodiphenylamine	100.00	96.87	97	78 - 110	YES
4-Bromophenyl-phenylether	100.00	93.45	93	67 - 110	YES
Hexachlorobenzene	100.00	97.25	97	68 - 113	YES
Atrazine	100.00	90.60	91	78 - 120	YES
Pentachlorophenol	100.00	87.47	87	48 - 108	YES
Phenanthrene	100.00	97.02	97	68 - 111	YES
Anthracene	100.00	97.47	97	68 - 108	YES
Carbazole	100.00	99.43	99	66 - 109	YES
Di-n-butylphthalate	100.00	96.20	96	63 - 113	YES
Fluoranthene	100.00	94.10	94	66 - 108	YES
Pyrene	100.00	100.25	100	68 - 114	YES
Butylbenzylphthalate	100.00	98.85	99	63 - 120	YES
3,3'-Dichlorobenzidine	100.00	84.71	85	48 - 116	YES
Benzo(a)anthracene	100.00	98.51	99	72 - 112	YES

NC = Could not calculate

Comments:

0288

Lancaster Laboratories, Inc.
WATER Semi Volatile Laboratory Control Sample Recovery

LAB NAME: LANCASTER LABS LAB CODE: LANCAS INSTRUMENT: HP09910

Method: SW-846 8270C File ID: of0685.d

LCS SAMPLE NO: 163WALCS BATCH: 06163WAA026 Sample Code: 163WALCSO

COMPOUND NAME	SPIKE LEVEL	LCS CONC UG/L	QCREF REC %	RANGE LOWER-UPPER	INSPEC
Chrysene	100.00	97.12	97	70 - 111	YES
bis(2-Ethylhexyl)phthalate	100.00	95.48	95	62 - 126	YES
Di-n-octylphthalate	100.00	93.00	93	58 - 118	YES
Benzo(b)fluoranthene	100.00	92.51	93	67 - 117	YES
Benzo(k)fluoranthene	100.00	96.35	96	67 - 120	YES
Benzo(a)pyrene	100.00	93.71	94	68 - 121	YES
Indeno(1,2,3-cd)pyrene	100.00	95.18	95	67 - 122	YES
Dibenz(a,h)anthracene	100.00	102.37	102	71 - 129	YES
Benzo(g,h,i)perylene	100.00	96.21	96	67 - 121	YES

NC = Could not calculate

Comments:

0289

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKWA1630

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Lab File ID: of0684.d Lab Sample ID: SBLKWA163

Date Extracted: 06/12/06 Extraction: Sepf

Date Analyzed: 06/15/06 Time Analyzed: 03:52

Matrix (soil/water): WATER Level: (low/med) LOW

Instrument ID: HP09910

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	163WALCSO	163WALCS	of0685.d	06/15/06
02	250EB	4791645	of0686.d	06/15/06
03	250AB	4791646	of0687.d	06/15/06
04	OS2--	4791563	of0688.d	06/15/06
05	OS2--MS	4791564	of0689.d	06/15/06
06	OS2--MSD	4791565	of0690.d	06/15/06
07	112A7	4791190	of0703.d	06/15/06
08	125A8	4791191	of0704.d	06/15/06
09	FB069	4791193	of0705.d	06/15/06
10	-TF5-	4791555	of0706.d	06/15/06
11	-TF23	4791556	of0707.d	06/15/06
12	-DC2-	4791558	of0708.d	06/15/06
13	-DC1-	4791559	of0709.d	06/15/06
14	DB8B-	4791560	of0710.d	06/15/06
15	DB108	4791561	of0711.d	06/15/06
16	DB17-	4791562	of0712.d	06/15/06
17	OR2--	4791568	of0713.d	06/15/06
18	OS3--	4791569	of0714.d	06/15/06
19	OR3--	4791570	of0715.d	06/15/06

COMMENTS:

0290

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Lab File ID: of0700.d DFTPP Injection Date: 06/15/06

Instrument ID: HP09910 DFTPP Injection Time: 08:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	41.8
68	Less than 2.0% of mass 69	0.87 (1.54)1
69	Mass 69 relative abundance	56.9
70	Less than 2.0% of mass 69	0.18 (0.31)1
127	40.0 - 60.0% of mass 198	49.0
197	Less than 1.0% of mass 198	0.39
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.31
275	10.0 - 30.0% of mass 198	28.7
365	Greater than 1.00% of mass 198	3.66
441	Present, and less than mass 443	11.3
442	Greater than 40.0 % of mass 198	81.1
443	17.0 - 23.0% of mass 442	15.4 (19.0)2

1-Value is % mass 69 2-Value is % mass of 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD030	BAS1516	of0701.d	06/15/06	08:47
02	SSTD030	STD1576	of0702.d	06/15/06	09:10
03	112A7	4791190	of0703.d	06/15/06	09:47
04	125A8	4791191	of0704.d	06/15/06	10:09
05	FB069	4791193	of0705.d	06/15/06	10:31
06	-TF5-	4791555	of0706.d	06/15/06	10:53
07	-TF23	4791556	of0707.d	06/15/06	11:15
08	-DC2-	4791558	of0708.d	06/15/06	11:38
09	-DC1-	4791559	of0709.d	06/15/06	12:00
10	DB8B-	4791560	of0710.d	06/15/06	12:22
11	DB108	4791561	of0711.d	06/15/06	12:45
12	DB17-	4791562	of0712.d	06/15/06	13:07
13	OR2--	4791568	of0713.d	06/15/06	13:29
14	OS3--	4791569	of0714.d	06/15/06	13:52
15	OR3--	4791570	of0715.d	06/15/06	14:14
16	SBLKWG160O	SBLKWG160	of0716.d	06/15/06	15:16
17	160WGLCSO	160WGLCS	of0717.d	06/15/06	15:47
18	DP-12	4789223	of0718.d	06/15/06	16:10

0291

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Lab File ID: of0700.d DFTPP Injection Date: 06/15/06

Instrument ID: HP09910 DFTPP Injection Time: 08:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	41.8
68	Less than 2.0% of mass 69	0.87 (1.54)1
69	Mass 69 relative abundance	56.9
70	Less than 2.0% of mass 69	0.18 (0.31)1
127	40.0 - 60.0% of mass 198	49.0
197	Less than 1.0% of mass 198	0.39
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.31
275	10.0 - 30.0% of mass 198	28.7
365	Greater than 1.00% of mass 198	3.66
441	Present, and less than mass 443	11.3
442	Greater than 40.0 % of mass 198	81.1
443	17.0 - 23.0% of mass 442	15.4 (19.0)2

1-Value is % mass 69 2-Value is % mass of 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
19	DP-12MS	4789224	of0719.d	06/15/06	16:32
20	DP-12MSD	4789225	of0720.d	06/15/06	16:54
21	115B-RE	4774047RE	of0721.d	06/15/06	17:17
22	CONWW	4788848	of0722.d	06/15/06	17:39
23	SECC	STD1576	of072a.d	06/15/06	18:01

0292

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Lab File ID: of0670.d DFTPP Injection Date: 06/14/06

Instrument ID: HP09910 DFTPP Injection Time: 22:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	45.8
68	Less than 2.0% of mass 69	0.86 (1.38)1
69	Mass 69 relative abundance	61.9
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	50.0
197	Less than 1.0% of mass 198	0.49
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.56
275	10.0 - 30.0% of mass 198	27.1
365	Greater than 1.00% of mass 198	2.97
441	Present, and less than mass 443	11.4
442	Greater than 40.0 % of mass 198	76.1
443	17.0 - 23.0% of mass 442	13.5 (17.7)2

1-Value is % mass 69 2-Value is % mass of 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD080	STD1576	of0671.d	06/14/06	23:13
02	SSTD080	BAS1516	of0672.d	06/14/06	23:35
03	SSTD120	STD1576	of0673.d	06/15/06	00:05
04	SSTD050	STD1576	of0674.d	06/15/06	00:27
05	SSTD030	STD1576	of0675.d	06/15/06	00:55
06	SSTD015	STD1576	of0676.d	06/15/06	01:17
07	SSTD005	STD1576	of0677.d	06/15/06	01:39
08	SSTD001	8270MDL1576	of0678.d	06/15/06	02:01
09	ICV0036	ICV0036	of0679.d	06/15/06	02:23
10	SBLKWA163O	SBLKWA163	of0684.d	06/15/06	03:52
11	163WALCSO	163WALCS	of0685.d	06/15/06	04:14
12	250EB	4791645	of0686.d	06/15/06	04:36
13	250AB	4791646	of0687.d	06/15/06	04:58
14	OS2--	4791563	of0688.d	06/15/06	05:21
15	OS2--MS	4791564	of0689.d	06/15/06	05:43
16	OS2--MSD	4791565	of0690.d	06/15/06	06:05
17	BESM2DL	4789600DL	of0691.d	06/15/06	06:27
18	BESM5DL	4789603DL	of0692.d	06/15/06	06:50

8293

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Lab File ID: of0670.d DFTPP Injection Date: 06/14/06

Instrument ID: HP09910 DFTPP Injection Time: 22:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	45.8
68	Less than 2.0% of mass 69	0.86 (1.38)1
69	Mass 69 relative abundance	61.9
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	50.0
197	Less than 1.0% of mass 198	0.49
198	Base peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.56
275	10.0 - 30.0% of mass 198	27.1
365	Greater than 1.00% of mass 198	2.97
441	Present, and less than mass 443	11.4
442	Greater than 40.0 % of mass 198	76.1
443	17.0 - 23.0% of mass 442	13.5 (17.7)2

1-Value is % mass 69 2-Value is % mass of 442

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
19	BESFDDL	4789605DL	of0693.d	06/15/06	07:12
20	MOMDPDL	4790186DL	of0694.d	06/15/06	07:34

6294

FORM V SV

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: LANCASTER LABS Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Lab File ID (Standard): of0672.d Date Analyzed: 06/14/06

Instrument ID: HP09910 Time Analyzed: 23:35

		IS1(DCB) AREA	#	RT	#	IS2(NPT) AREA	#	RT	#	IS3(ANT) AREA	#	RT	#
	12 HOUR STD	220163		3.972		873799		5.122		510296		6.800	
	UPPER LIMIT	440326		4.472		1747598		5.622		1020592		7.300	
	LOWER LIMIT	110082		3.472		436900		4.622		255148		6.300	
	EPA SAMPLE NO.												
01	SBLKWA163O	180163		3.972		732630		5.122		438669		6.800	
02	163WALCSO	170832		3.972		690253		5.122		413161		6.807	
03	250EB	182401		3.972		714311		5.122		423347		6.800	
04	250AB	191766		3.972		760420		5.122		460220		6.800	
05	OS2--	187047		3.972		729070		5.122		427233		6.800	
06	OS2--MS	171762		3.972		721371		5.122		426174		6.806	
07	OS2--MSD	176543		3.972		728342		5.122		446546		6.806	
08	BESM2DL	195128		3.972		800031		5.122		476010		6.800	
09	BESM5DL	207651		3.972		850828		5.122		499889		6.800	
10	BESFDDL	199289		3.972		777703		5.122		468176		6.800	
11	MOMDPDL	196915		3.972		796707		5.122		507565		6.806	

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT (advisory) = +100% of internal standard area
AREA LOWER LIMIT (advisory) = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard are and RT values with an asterisk
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: LANCASTER LABS Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Lab File ID (Standard): of0672.d Date Analyzed: 06/14/06

Instrument ID: HP09910 Time Analyzed: 23:35

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	1005172	8.239	1073048	10.815	1110208	12.205
	UPPER LIMIT	2010344	8.739	2146096	11.315	2220416	12.705
	LOWER LIMIT	502586	7.739	536524	10.315	555104	11.705
	EPA SAMPLE NO.						
01	SBLKWA163O	860562	8.239	900625	10.815	951204	12.205
02	163WALCSO	858975	8.239	935363	10.822	979543	12.205
03	250EB	857290	8.239	905108	10.815	924979	12.205
04	250AB	918551	8.239	955692	10.815	974259	12.205
05	OS2--	872617	8.239	924951	10.815	944977	12.205
06	OS2--MS	877495	8.239	957748	10.821	1007802	12.205
07	OS2--MSD	911408	8.245	995399	10.821	1032912	12.205
08	BESM2DL	959264	8.239	1013435	10.815	1059260	12.205
09	BESM5DL	978577	8.239	1031870	10.815	1055789	12.205
10	BESFDDL	917697	8.239	973581	10.815	1000544	12.205
11	MOMDPDL	1001665	8.245	1055332	10.815	1087341	12.205

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT (advisory) = +100% of internal standard area
AREA LOWER LIMIT (advisory) = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard are and RT values with an asterisk
* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: LANCASTER LABS Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Lab File ID (Standard): of0702.d Date Analyzed: 06/15/06

Instrument ID: HP09910 Time Analyzed: 09:10

		IS1(DCB)		IS2(NPT)		IS3(ANT)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	242556	3.966	1031208	5.116	624404	6.794
	UPPER LIMIT	485112	4.466	2062416	5.616	1248808	7.294
	LOWER LIMIT	121278	3.466	515604	4.616	312202	6.294
	EPA SAMPLE NO.						
01	112A7	184896	3.966	756903	5.115	448919	6.794
02	125A8	192480	3.966	813679	5.115	491728	6.794
03	FB069	201292	3.966	803645	5.116	495746	6.794
04	-TF5-	193056	3.966	795077	5.116	478837	6.794
05	-TF23	197264	3.966	800387	5.116	482598	6.794
06	-DC2-	197027	3.966	794236	5.116	476799	6.794
07	-DC1-	199186	3.966	787191	5.115	474596	6.794
08	DB8B-	192430	3.966	790893	5.115	467423	6.794
09	DB108	196235	3.966	802594	5.116	475501	6.794
10	DB17-	199232	3.966	806929	5.115	472350	6.794
11	OR2--	183412	3.966	751770	5.116	460725	6.794
12	OS3--	186469	3.966	759697	5.116	462032	6.794
13	OR3--	193826	3.966	792724	5.116	472923	6.794
14	SBLKWG160O	208047	3.966	865492	5.116	516847	6.794
15	160WGLCSO	208064	3.966	850544	5.116	503639	6.800
16	DP-12	182696	3.966	746064	5.115	449128	6.794
17	DP-12MS	195535	3.966	812130	5.116	487136	6.794

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT (advisory) = +100% of internal standard area
AREA LOWER LIMIT (advisory) = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard are and RT values with an asterisk
* Values outside of QC limits.

6297

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: LANCASTER LABS Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Lab File ID (Standard): of0702.d Date Analyzed: 06/15/06

Instrument ID: HP09910 Time Analyzed: 09:10

		IS1(DCB)		IS2(NPT)		IS3(ANT)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	242556	3.966	1031208	5.116	624404	6.794
	UPPER LIMIT	485112	4.466	2062416	5.616	1248808	7.294
	LOWER LIMIT	121278	3.466	515604	4.616	312202	6.294
	EPA SAMPLE NO.						
18	DP-12MSD	187085	3.966	769364	5.115	467841	6.794
19	115B-RE	201450	3.966	849988	5.115	507309	6.794
20	CONWW	207104	3.966	853044	5.116	526868	6.794
21	SECC	236119	3.966	985731	5.116	599173	6.794

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT (advisory) = +100% of internal standard area
AREA LOWER LIMIT (advisory) = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard are and RT values with an asteris
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: LANCASTER LABS Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Lab File ID (Standard): of0702.d Date Analyzed: 06/15/06

Instrument ID: HP09910 Time Analyzed: 09:10

		IS4(PHN)		IS5(CRY)		IS6(PRY)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	1244485	8.233	1273481	10.809	1196647	12.199
	UPPER LIMIT	2488970	8.733	2546962	11.309	2393294	12.699
	LOWER LIMIT	622243	7.733	636741	10.309	598324	11.699
	EPA SAMPLE NO.						
01	112A7	920046	8.233	938924	10.809	980462	12.199
02	125A8	974730	8.233	1013388	10.809	599059	12.199
03	FB069	1027366	8.233	1034908	10.809	1069943	12.193
04	-TF5-	969967	8.233	999833	10.809	1027045	12.199
05	-TF23	963126	8.233	1013912	10.809	1016852	12.199
06	-DC2-	973873	8.233	1013164	10.809	1033715	12.199
07	-DC1-	964605	8.233	1011054	10.809	1014432	12.193
08	DB8B-	942720	8.233	969007	10.809	983739	12.199
09	DB108	967590	8.233	1003059	10.809	1016317	12.199
10	DB17-	950549	8.233	979962	10.809	1006729	12.199
11	OR2--	925191	8.233	969667	10.809	1012752	12.193
12	OS3--	937972	8.233	1017688	10.809	1009320	12.199
13	OR3--	957435	8.233	983364	10.809	981067	12.199
14	SBLKWG160O	1062714	8.233	1116295	10.809	1131511	12.199
15	160WGLCSO	1012084	8.239	1061282	10.815	1085732	12.199
16	DP-12	919912	8.233	958168	10.809	953597	12.199
17	DP-12MS	957830	8.233	1005901	10.815	1002865	12.199

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT (advisory) = +100% of internal standard area
AREA LOWER LIMIT (advisory) = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard are and RT values with an asteris
* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: LANCASTER LABS Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Lab File ID (Standard): of0702.d Date Analyzed: 06/15/06

Instrument ID: HP09910 Time Analyzed: 09:10

		IS4(PHN)		IS5(CRY)		IS6(PRY)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	1244485	8.233	1273481	10.809	1196647	12.199
	UPPER LIMIT	2488970	8.733	2546962	11.309	2393294	12.699
	LOWER LIMIT	622243	7.733	636741	10.309	598324	11.699
	EPA SAMPLE NO.						
18	DP-12MSD	925124	8.233	949934	10.815	970544	12.199
19	115B-RE	1007419	8.233	1069960	10.809	1054543	12.199
20	CONWW	1066370	8.233	1120550	10.809	1117846	12.199
21	SECC	1232179	8.233	1256995	10.809	1210376	12.199

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT (advisory) = +100% of internal standard area
AREA LOWER LIMIT (advisory) = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag internal standard are and RT values with an asterisk
* Values outside of QC limits.

Sample Data

Extraction Method:
SW-846 3510C
Analytical Method:
SW-846 8270C
Instrument type: HP5890/5972

GC/MS Semivolatile Water Composite MDL Study

Instrument ID	HP06756.I	HP06756.I	HP06756.I	HP06756.I	HP06756.I	HP06756.I	HP06756.I
Datafile	nd197.d	nd198.d	nd199.d	nd200.d	nd201.d	nd202.d	nd203.d
Injection Date	4/11/06 10:24	4/11/06 11:19	4/11/06 12:14	4/11/06 13:10	4/11/06 14:05	4/11/06 15:00	4/11/06 15:56
Lab Sample ID	WATERA	WATERB	WATERC	WATERD	WATERE	WATERF	WATERG
Client Sample ID	LOWA	LOWB	LOWC	LOWD	LOWE	LOWF	LOWG
Extraction Batch	06055WAM026						

Compound Name	Concentration (ug/l)	Concentration (ug/l)	Concentration (ug/l)	Concentration (ug/l)	Concentration (ug/l)	Concentration (ug/l)	Concentration (ug/l)	Mean Concentration (ug/l)	Standard Deviation	Student T value used	Sample MDL (ug/l)	Sample Spike Level (ug/l)	Average %Rec.	Reported MDL (ug/l)
1,1'-Biphenyl	0.928	0.962	0.939	0.974	0.998	0.964	1.010	0.968	0.030	3.143	0.093	1.00	97	1
1,2,4,5-Tetrachlorobenzene	0.939	0.935	0.899	0.982	0.937	0.945	1.008	0.949	0.035	3.143	0.111	1.00	95	2
1,2,4-Trichlorobenzene	0.967	0.851	0.863	0.974	0.929	0.909	0.919	0.919	0.051	3.143	0.160	1.00	92	1
1,2-Dichlorobenzene	0.976	0.937	0.870	0.954	0.845	0.928	0.909	0.917	0.046	3.143	0.145	1.00	92	1
1,2-Diphenylhydrazine	0.802	0.825	0.770	0.778	0.795	0.804	0.758	0.790	0.023	3.143	0.072	1.00	79	1
1,3,5-Trinitrobenzene *	4.297	4.733	4.027	4.601	4.463	4.836	4.515	4.496	0.27	3.143	0.855	5.00	90	5
1,3-Dichlorobenzene	0.905	0.899	0.840	0.917	0.909	0.911	0.880	0.895	0.027	3.143	0.084	1.00	89	1
1,3-Dinitrobenzene	0.539	0.553	0.416	0.474	0.444	0.502	0.384	0.473	0.063	3.143	0.197	1.00	47	2
1,4-Dichlorobenzene	0.928	0.982	0.875	0.915	0.946	0.921	0.891	0.923	0.035	3.143	0.111	1.00	92	1
1,4-Dinitrobenzene	0.330	0.318	0.246	0.270	0.358	0.377	0.331	0.318	0.046	3.143	0.145	1.00	32	1
1,4-Dioxane	0.485	0.446	0.469	0.436	0.485	0.467	0.443	0.462	0.020	3.143	0.063	1.00	46	1
1,4-Naphthoquinone **	24.148	20.949	18.671	17.126	20.640	21.816	22.481	20.833	2.350	3.143	7.386	50.00	42	10
1-Chloronaphthalene	0.808	0.882	0.777	0.835	0.850	0.800	0.848	0.829	0.036	3.143	0.112	1.00	83	1
1-Methylnaphthalene	0.916	0.978	0.913	0.939	1.022	0.975	0.971	0.959	0.039	3.143	0.123	1.00	96	1
1-Naphthylamine *	1.411	1.874	2.004	1.649	1.805	1.751	1.903	1.743	0.19	3.143	0.604	5.00	35	5
1-Nitronaphthalene	0.779	0.778	0.780	0.728	0.748	0.775	0.609	0.742	0.062	3.143	0.195	1.00	74	1
2,2'-oxybis(1-Chloropropane)	1.124	1.026	1.014	1.092	1.049	1.024	1.077	1.058	0.041	3.143	0.129	1.00	106	1
2,3,4,6-Tetrachlorophenol	0.778	0.738	0.756	0.771	0.810	0.738	0.709	0.757	0.033	3.143	0.103	1.00	76	2
2,4,5-Trichlorophenol	0.717	0.762	0.701	0.827	0.648	0.635	0.658	0.707	0.069	3.143	0.217	1.00	71	1
2,4,6-Trichlorophenol	0.805	0.795	0.735	0.782	0.692	0.721	0.632	0.737	0.062	3.143	0.196	1.00	74	1
2,4-Dichlorophenol	0.769	0.856	0.757	0.767	0.755	0.829	0.766	0.786	0.040	3.143	0.126	1.00	79	1
2,4-Dimethylphenol	0.724	0.725	0.644	0.746	0.698	0.734	0.676	0.707	0.036	3.143	0.114	1.00	71	3
2,4-Dinitrophenol	3.499	4.072	3.559	4.153	3.632	4.007	3.195	3.731	0.354	3.143	1.112	10.00	37	20
2,4-Dinitrotoluene	0.653	0.697	0.627	0.712	0.658	0.663	0.678	0.670	0.028	3.143	0.089	1.00	67	1
2,6-Dichlorophenol	0.785	0.785	0.770	0.828	0.835	0.808	0.784	0.799	0.025	3.143	0.078	1.00	80	2
2,6-Dinitrotoluene	0.674	0.665	0.588	0.751	0.655	0.610	0.662	0.658	0.052	3.143	0.163	1.00	66	1
2-Acetylaminofluorene	0.373	0.368	0.336	0.371	0.325	0.362	0.330	0.352	0.021	3.143	0.066	1.00	35	2

2969

Analyst name and ID (printed): Joe Gambler 346 Approved by: [illegible]/4/12

Signature: [signature] Title: Sr. Specialist

Extraction Method:
SW-846 3510C
Analytical Method:
SW-846 8270C
Instrument type: HP5890/5972

GC/MS Semivolatile Water Composite MDL Study

Instrument ID	HP06756.i	HP06756.i	HP06756.i	HP06756.i	HP06756.i	HP06756.i	HP06756.i
Datafile	nd197.d	nd198.d	nd199.d	nd200.d	nd201.d	nd202.d	nd203.d
Injection Date	4/11/06 10:24	4/11/06 11:19	4/11/06 12:14	4/11/06 13:10	4/11/06 14:05	4/11/06 15:00	4/11/06 15:56
Lab Sample ID	WATERA	WATERB	WATERC	WATERD	WATERE	WATERF	WATERG
Client Sample ID	LOWA	LOWB	LOWC	LOWD	LOWE	LOWF	LOWG
Extraction Batch	06055WAM026						

Compound Name	Concentration (ug/l)	Concentration (ug/l)	Concentration (ug/l)	Concentration (ug/l)	Concentration (ug/l)	Concentration (ug/l)	Concentration (ug/l)	Mean Concentration (ug/l)	Standard Deviation	Student T value used	Sample MDL (ug/l)	Sample Spike Level (ug/l)	Average %Rec.	Reported MDL (ug/l)
2-Chloronaphthalene	0.910	0.952	0.881	0.915	0.929	0.958	0.916	0.923	0.026	3.143	0.082	1.00	92	2
2-Chlorophenol	0.891	0.972	0.663	0.950	0.902	0.944	0.905	0.918	0.038	3.143	0.120	1.00	92	1
2-Methylnaphthalene	0.871	0.907	0.863	0.913	0.870	0.913	0.873	0.887	0.023	3.143	0.071	1.00	89	1
2-Methylphenol	0.819	0.881	0.888	0.994	1.194	1.130	1.211	1.017	0.162	3.143	0.508	1.00	102	1
2-Naphthylamine	0.274	0.332	0.311	0.275	0.236	0.391	0.215	0.291	0.060	3.143	0.188	1.00	29	5
2-Nitroaniline	0.559	0.614	0.537	0.569	0.561	0.611	0.551	0.572	0.030	3.143	0.093	1.00	57	1
2-Nitrophenol	0.681	0.835	0.722	0.785	0.747	0.732	0.859	0.766	0.064	3.143	0.201	1.00	77	1
2-Picoline	0.617	0.566	0.549	0.387	0.358	0.533	0.024	0.433	0.204	3.143	0.641	1.00	43	2
3,3'-Dichlorobenzidine	0.295	0.354	0.277	0.365	0.312	0.472	0.345	0.346	0.065	3.143	0.203	1.00	35	2
3,3'-Dimethylbenzidine	0.287	0.265	0.234	0.194	0.348	0.575	0.115	0.288	0.148	3.143	0.459	1.00	29	10
3-Methylcholanthrene	0.568	0.573	0.553	0.547	0.554	0.568	0.537	0.557	0.013	3.143	0.041	1.00	56	2
3-Nitroaniline	0.386	0.438	0.369	0.372	0.427	0.501	0.437	0.419	0.047	3.143	0.148	1.00	42	1
4,4'-Methylenebis(2-Chloroani	0.185	0.208	0.126	0.202	0.175	0.264	0.234	0.199	0.044	3.143	0.138	1.00	20	5
4,6-Dinitro-2-methylphenol	5.852	6.697	6.253	6.405	6.256	6.814	5.660	6.277	0.417	3.143	1.311	10.00	63	5
4-Aminobiphenyl	0.424	0.434	0.401	0.407	0.423	0.493	0.384	0.424	0.035	3.143	0.109	1.00	42	2
4-Bromophenyl-phenylether	0.873	0.923	0.860	0.882	0.911	0.971	0.825	0.892	0.048	3.143	0.150	1.00	89	1
4-Chloro-3-methylphenol	0.694	0.719	0.694	0.736	0.718	0.737	0.755	0.722	0.023	3.143	0.071	1.00	72	1
4-Chloroaniline	0.410	0.388	0.365	0.428	0.404	0.488	0.440	0.418	0.040	3.143	0.124	1.00	42	1
4-Chlorophenyl-phenylether	0.900	0.965	0.893	0.917	0.941	0.970	1.023	0.944	0.046	3.143	0.144	1.00	94	2
4-Methylphenol	0.718	0.779	0.667	0.743	0.809	0.837	0.893	0.778	0.076	3.143	0.239	1.00	78	2
4-Nitroaniline	0.622	0.602	0.669	0.647	0.644	0.712	0.658	0.651	0.035	3.143	0.110	1.00	65	1
4-Nitrophenol	3.037	3.296	2.968	3.271	3.304	3.399	2.953	3.176	0.183	3.143	0.577	10.00	32	10
4-Nitroquinoline-1-oxide	3.011	3.010	2.871	2.991	2.962	3.008	2.863	2.959	0.065	3.143	0.205	10.00	30	20
5-Nitro-o-toluidine *	2.662	2.556	2.772	2.774	2.740	2.853	3.019	2.768	0.15	3.143	0.458	5.00	55	3
6-Methylchrysene	0.799	0.867	0.803	0.863	0.813	0.876	0.870	0.844	0.038	3.143	0.119	1.00	84	1
7,12-Dimethylbenz[a]anthrace	0.347	0.376	0.291	0.353	0.331	0.411	0.315	0.346	0.039	3.143	0.124	1.00	35	2
a,a-Dimethylphenethylamine *	1.661	1.387	0.516	1.381	0.997	1.014	1.384	1.191	0.38	3.143	1.188	5.00	24	2
Acenaphthene	0.918	0.996	0.975	1.057	0.927	0.993	1.023	0.984	0.050	3.143	0.156	1.00	98	1

Analyst name and ID (printed): Joe Gambler 346

Approved by: CMR / 4/12

Signature: Joe Gambler

Title: Sr Specialist

Extraction Method:
SW-846 3510C
Analytical Method:
SW-846 8270C
Instrument type: HP5890/5972

GC/MS Semivolatile Water Composite MDL Study

Instrument ID	HP06756.I	HP06756.I	HP06756.I	HP06756.I	HP06756.I	HP06756.I	HP06756.I
Datafile	nd197.d	nd198.d	nd199.d	nd200.d	nd201.d	nd202.d	nd203.d
Injection Date	4/11/06 10:24	4/11/06 11:19	4/11/06 12:14	4/11/06 13:10	4/11/06 14:05	4/11/06 15:00	4/11/06 15:56
Lab Sample ID	WATERA	WATERB	WATERC	WATERD	WATERE	WATERF	WATERG
Client Sample ID	LOWA	LOWB	LOWC	LOWD	LOWE	LOWF	LOWG
Extraction Batch	06055WAM026						

Compound Name	Concentration (ug/l)	Concentration (ug/l)	Concentration (ug/l)	Concentration (ug/l)	Concentration (ug/l)	Concentration (ug/l)	Concentration (ug/l)	Mean Concentration (ug/l)	Standard Deviation	Student T value used	Sample MDL (ug/l)	Sample Spike Level (ug/l)	Average %Rec.	Reported MDL (ug/l)
Acenaphthylene	0.946	0.960	0.879	0.943	0.898	0.932	0.955	0.930	0.031	3.143	0.097	1.00	93	1
Acetophenone	0.962	1.043	0.955	0.976	0.956	1.022	1.067	0.997	0.048	3.143	0.145	1.00	100	2
Aniline	0.303	0.342	0.303	0.338	0.313	0.398	0.334	0.333	0.033	3.143	0.104	1.00	33	1
Anthracene	0.893	0.920	0.872	0.900	0.879	0.942	0.884	0.898	0.025	3.143	0.078	1.00	90	1
Aramite ***	3.917	3.805	3.462	3.982	4.002	4.261	4.165	3.942	0.260	3.143	0.818	10.00	39	5
Atrazine	0.729	0.801	0.741	0.763	0.675	0.734	0.636	0.725	0.055	3.143	0.172	1.00	73	2
Benzaldehyde	0.404	0.395	0.378	0.381	0.402	0.411	0.358	0.390	0.018	3.143	0.058	1.00	39	1
Benzidine *	3.578	6.726	7.694	5.398	6.829	4.606	5.313	5.735	1.43	3.143	4.489	25.00	23	20
Benzo(a)anthracene	1.031	1.088	1.000	1.007	1.020	1.049	1.039	1.033	0.030	3.143	0.093	1.00	103	1
Benzo(a)pyrene	0.737	0.762	0.695	0.729	0.732	0.764	0.739	0.737	0.023	3.143	0.073	1.00	74	1
Benzo(b)fluoranthene	0.789	0.850	0.798	0.825	0.833	0.822	0.845	0.823	0.023	3.143	0.072	1.00	82	1
Benzo(g,h,i)perylene	0.660	0.691	0.667	0.699	0.647	0.672	0.659	0.671	0.018	3.143	0.058	1.00	67	1
Benzo(k)fluoranthene	0.893	0.899	0.809	0.848	0.859	0.898	0.833	0.863	0.035	3.143	0.111	1.00	86	1
Benzoic acid $	7.858	8.078	7.889	8.111	7.990	8.148	7.763	7.977	0.1445	3.143	0.4541	10.00	80	6
Benzyl alcohol	6.739	6.108	6.160	5.754	3.813	5.516	4.043	5.448	1.107	3.143	3.480	10.00	54	5
Biphenyl	0.928	0.962	0.939	0.974	0.998	0.964	1.010	0.968	0.030	3.143	0.093	1.00	97	1
bis(2-Chloroethoxy)methane	0.986	0.983	0.949	0.954	0.977	0.967	0.965	0.969	0.014	3.143	0.044	1.00	97	1
bis(2-Chloroethyl)ether	0.927	0.871	0.918	0.870	0.880	0.876	0.889	0.891	0.023	3.143	0.072	1.00	89	1
bis(2-Chloroisopropyl)ether	1.124	1.026	1.014	1.092	1.049	1.024	1.077	1.058	0.041	3.143	0.129	1.00	106	1
bis(2-Ethylhexyl)phthalate	0.979	1.023	0.839	0.980	0.951	1.007	0.969	0.964	0.060	3.143	0.189	1.00	96	2
Butylbenzylphthalate	0.719	0.699	0.651	0.612	0.675	0.717	0.639	0.873	0.041	3.143	0.129	1.00	87	2
Caprolactam *	0.857	0.956	0.788	0.785	0.868	0.905	0.865	0.861	0.06	3.143	0.192	5.00	17	5
Carbazole	0.914	0.938	0.886	0.884	0.955	0.929	0.909	0.917	0.026	3.143	0.082	1.00	92	1
Chlorobenzilate	0.409	0.424	0.359	0.287	0.345	0.370	0.333	0.361	0.048	3.143	0.146	1.00	36	3
Chrysene	0.957	0.992	0.961	0.993	0.934	0.984	0.964	0.969	0.022	3.143	0.068	1.00	97	2
Diallate TRANS/CIS	0.795	0.854	0.731	0.866	0.800	0.769	0.730	0.792	0.054	3.143	0.169	1.00	79	1
Dibenz(a,h)acridine	0.591	0.593	0.550	0.577	0.569	0.583	0.546	0.573	0.019	3.143	0.059	1.00	57	1
Dibenz(a,h)anthracene	0.635	0.641	0.609	0.638	0.644	0.598	0.621	0.627	0.017	3.143	0.055	1.00	63	1
Dibenz(a,j)acridine	0.571	0.636	0.557	0.567	0.482	0.614	0.566	0.571	0.049	3.143	0.153	1.00	57	2

Analyst name and ID (printed): Joe Gamblin 3446 Approved by: CMR/4/12

Signature: Joe Gamblin Title: Sr Specialist

Extraction Method:
SW-846 3510C
Analytical Method:
SW-846 8270C
Instrument type: HP5890/5972

GC/MS Semivolatile Water Composite MDL Study

Instrument ID	HP06756.I	HP06756.I	HP06756.I	HP06756.I	HP06756.I	HP06756.I	HP06756.I
Datafile	nd197.d	nd198.d	nd199.d	nd200.d	nd201.d	nd202.d	nd203.d
Injection Date	4/11/06 10:24	4/11/06 11:19	4/11/06 12:14	4/11/06 13:10	4/11/06 14:05	4/11/06 15:00	4/11/06 15:56
Lab Sample ID	WATERA	WATERB	WATERC	WATERD	WATERE	WATERF	WATERG
Client Sample ID	LOWA	LOWB	LOWC	LOWD	LOWE	LOWF	LOWG
Extraction Batch	06055WAM026						

Compound Name	Concentration (ug/l)	Concentration (ug/l)	Concentration (ug/l)	Concentration (ug/l)	Concentration (ug/l)	Concentration (ug/l)	Concentration (ug/l)	Mean Concentration (ug/l)	Standard Deviation	Student T value used	Sample MDL (ug/l)	Sample Spike Level (ug/l)	Average %Rec.	Reported MDL (ug/l)
Dibenzofuran	1.007	0.962	0.922	0.988	0.987	0.981	1.005	0.979	0.029	3.143	0.092	1.00	98	1
Diethylphthalate	0.902	0.882	0.845	0.835	0.788	0.843	0.833	0.847	0.037	3.143	0.116	1.00	85	2
Dimethoate *	4.741	4.837	4.518	4.706	4.815	4.847	4.777	4.749	0.11	3.143	0.358	5.00	95	3
Dimethylphthalate	0.774	0.799	0.730	0.680	0.735	0.715	0.705	0.734	0.041	3.143	0.128	1.00	73	2
Di-n-butylphthalate	0.788	0.794	0.763	0.759	0.772	0.806	0.765	0.778	0.018	3.143	0.057	1.00	78	2
Di-n-octylphthalate	0.538	0.554	0.479	0.526	0.516	0.527	0.516	0.522	0.023	3.143	0.073	1.00	52	2
Dinoseb	4.300	4.386	4.246	4.281	4.193	4.459	4.112	4.282	0.116	3.143	0.365	5.00	86	2
Diphenyl	0.928	0.962	0.939	0.974	0.998	0.964	1.010	0.968	0.030	3.143	0.093	1.00	97	1
Diphenyl ether	0.963	1.071	0.982	1.052	0.988	1.017	1.000	1.011	0.039	3.143	0.123	1.00	101	1
Ethyl methanesulfonate	0.852	0.841	0.780	0.770	0.823	0.836	0.889	0.827	0.041	3.143	0.130	1.00	83	2
Fluoranthene	0.922	0.882	0.869	0.892	0.871	0.882	0.878	0.885	0.018	3.143	0.057	1.00	89	1
Fluorene	1.029	1.063	1.011	1.018	0.994	1.015	1.027	1.023	0.021	3.143	0.067	1.00	102	1
Hexachlorobenzene	0.957	0.930	0.923	0.920	0.946	0.960	0.942	0.940	0.018	3.143	0.058	1.00	94	1
Hexachlorobutadiene	0.824	0.850	0.727	0.826	0.786	0.908	0.829	0.821	0.056	3.143	0.176	1.00	82	1
Hexachlorocyclopentadiene	1.310	1.454	1.306	1.159	1.270	1.425	1.274	1.314	0.100	3.143	0.314	2.00	66	5
Hexachloroethane	0.811	0.907	0.763	0.922	0.763	0.806	0.731	0.815	0.074	3.143	0.231	1.00	81	1
Hexachloropropene	0.493	0.528	0.530	0.555	0.565	0.588	0.582	0.549	0.034	3.143	0.106	1.00	55	2
Indeno(1,2,3-cd)pyrene	0.619	0.602	0.608	0.582	0.570	0.620	0.619	0.603	0.020	3.143	0.062	1.00	60	1
Isodrin	0.771	0.952	0.961	0.840	0.904	0.844	0.928	0.886	0.070	3.143	0.219	1.00	89	1
Isophorone	0.959	0.829	0.767	0.783	0.854	0.793	0.789	0.825	0.066	3.143	0.206	1.00	82	1
Isosafrole	0.774	0.804	0.744	0.849	0.774	0.710	0.730	0.769	0.047	3.143	0.148	1.00	77	2
Methapyrilene *	7.651	7.605	5.717	7.738	5.467	5.728	6.623	6.647	1.02	3.143	3.199	40.00	17	16
Methyl methanesulfonate	0.436	0.443	0.463	0.415	0.462	0.422	0.518	0.451	0.035	3.143	0.109	1.00	45	1
Methyl parathion	0.470	0.506	0.448	0.503	0.477	0.575	0.477	0.494	0.041	3.143	0.129	1.00	49	1
N,N-dimethyl formamide *	0.651	0.596	0.494	0.493	0.588	0.638	0.697	0.594	0.08	3.143	0.243	5.00	12	5
Naphthalene	0.989	1.003	0.974	1.020	1.003	0.976	1.004	0.996	0.017	3.143	0.053	1.00	100	1
Nitrobenzene	0.950	0.908	0.922	0.977	0.959	0.983	0.976	0.954	0.029	3.143	0.091	1.00	95	1
N-Nitrosodiethylamine	0.654	0.815	0.702	0.702	0.714	0.816	0.767	0.739	0.062	3.143	0.195	1.00	74	2
N-Nitrosodimethylamine	0.407	0.444	0.420	0.382	0.361	0.440	0.404	0.408	0.030	3.143	0.094	1.00	41	2

Analyst name and ID (printed): Joe Gambler 346 Approved by: CMR/412

Signature: Joe Gambler Title: L. Specialist

Extraction Method:
SW-846 3510C
Analytical Method:
SW-846 8270C
Instrument type: HP5890/5972

GC/MS Semivolatile Water Composite MDL Study

Instrument ID	HP06756.i	HP06756.i	HP06756.i	HP06756.i	HP06756.i	HP06756.i	HP06756.i
Datafile	nd197.d	nd198.d	nd199.d	nd200.d	nd201.d	nd202.d	nd203.d
Injection Date	4/11/06 10:24	4/11/06 11:19	4/11/06 12:14	4/11/06 13:10	4/11/06 14:05	4/11/06 15:00	4/11/06 15:56
Lab Sample ID	WATERA	WATERB	WATERC	WATERD	WATERE	WATERF	WATERG
Client Sample ID	LOWA	LOWB	LOWC	LOWD	LOWE	LOWF	LOWG
Extraction Batch	06055WAM026						

Compound Name	Concentration (ug/l)	Concentration (ug/l)	Concentration (ug/l)	Concentration (ug/l)	Concentration (ug/l)	Concentration (ug/l)	Concentration (ug/l)	Mean Concentration (ug/l)	Standard Deviation	Student T value used	Sample MDL (ug/l)	Sample Spike Level (ug/l)	Average %Rec.	Reported MDL (ug/l)
N-Nitrosodi-n-butylamine *	5.258	5.233	5.276	5.075	5.235	5.274	5.273	5.232	0.07	3.143	0.225	5.00	105	2
N-Nitroso-di-n-propylamine	0.853	0.814	0.746	0.776	0.776	0.848	0.927	0.820	0.061	3.143	0.193	1.00	82	1
N-Nitrosodiphenylamine	0.900	0.882	0.814	0.902	0.866	0.866	0.863	0.873	0.030	3.143	0.093	1.00	87	2
N-Nitrosomethylethylamine	0.536	0.524	0.515	0.457	0.569	0.642	0.540	0.540	0.058	3.143	0.177	1.00	54	2
N-Nitrosomorpholine	0.630	0.773	0.700	0.687	0.788	0.710	0.740	0.718	0.054	3.143	0.170	1.00	72	2
N-Nitrosopiperidine	0.804	0.803	0.711	0.830	0.798	0.814	0.767	0.790	0.039	3.143	0.124	1.00	79	2
N-Nitrosopyrrolidine	0.671	0.671	0.652	0.643	0.649	0.712	0.698	0.671	0.026	3.143	0.081	1.00	67	2
O,O,O-triethylphosphorothioat	0.973	0.883	0.816	0.846	0.809	0.840	0.928	0.871	0.061	3.143	0.192	1.00	87	2
Octachlorostyrene	1.795	1.880	1.832	1.983	1.936	2.027	1.973	1.918	0.085	3.143	0.267	2.10	91	2
o-Toluidine	0.270	0.326	0.252	0.389	0.342	0.405	0.366	0.336	0.058	3.143	0.182	1.00	34	1
Parathion	3.153	3.188	2.961	3.020	3.019	3.205	2.962	3.073	0.108	3.143	0.334	5.00	61	1
p-Dimethylaminoazobenzene	0.635	0.560	0.561	0.515	0.546	0.627	0.595	0.577	0.044	3.143	0.138	1.00	58	2
Pentachlorobenzene	0.906	0.994	0.869	0.916	0.822	0.943	0.933	0.912	0.055	3.143	0.172	1.00	91	2
Pentachloronitrobenzene	0.950	0.950	0.890	1.023	0.854	1.010	0.799	0.897	0.121	3.143	0.381	1.00	90	2
Pentachlorophenol	7.044	7.529	6.921	7.154	7.142	7.175	6.482	7.061	0.323	3.143	1.015	10.00	71	3
Phenacetin	0.610	0.641	0.557	0.558	0.595	0.596	0.542	0.586	0.035	3.143	0.110	1.00	59	2
Phenanthrene	1.072	1.025	1.021	1.008	1.006	0.984	1.018	1.019	0.027	3.143	0.084	1.00	102	1
Phenol	0.470	0.443	0.423	0.433	0.443	0.465	0.464	0.449	0.016	3.143	0.050	1.00	45	1
Phorate	0.769	0.807	0.707	0.779	0.789	0.787	0.754	0.770	0.032	3.143	0.101	1.00	77	1
Pronamide	0.625	0.685	0.607	0.668	0.688	0.678	0.608	0.651	0.037	3.143	0.115	1.00	65	1
Pyrene	1.021	0.980	0.931	0.974	0.965	0.994	0.991	0.979	0.028	3.143	0.088	1.00	98	1
Pyridine *	2.430	2.269	2.333	2.232	2.155	2.209	2.274	2.272	0.09	3.143	0.281	5.00	45	2
Ronnel	0.740	0.788	0.797	0.795	0.807	0.802	0.710	0.777	0.037	3.143	0.116	1.00	78	1
Safrole	0.745	0.793	0.767	0.777	0.779	0.748	0.884	0.785	0.047	3.143	0.148	1.00	78	2
Tetraethyldithiopyrophosphate	0.773	0.802	0.679	0.774	0.764	0.775	0.815	0.769	0.044	3.143	0.137	1.00	77	1
Thionazin	0.617	0.709	0.623	0.757	0.676	0.660	0.599	0.683	0.056	3.143	0.177	1.00	68	2
1,4-Phenylenediamine @	118.047	99.508	97.418	51.664	91.796	83.865	104.602	92.414	20.88	3.143	65.62	1000.00	9	75
Indene $	1.152	1.127	1.172	1.014	1.151	1.074	1.040	1.104	0.0618	3.143	0.1936	1.00	110	1
Quinoline $	0.912	0.938	0.906	0.940	0.983	0.975	0.875	0.933	0.0385	3.143	0.1209	1.00	93	1
Benzenethiol #	0.949	0.913	1.181	1.111	1.275	1.363	1.117	1.130	0.1624	3.143	0.5105	5.00	23	6

Analyst name and ID (printed): Joe Gambler 346

Approved by: DMR/4/12

Signature: Joe Gambler

Title: Sr. Specialist

Extraction Method:
SW-846 3510C
Analytical Method:
SW-846 8270C
Instrument type: HP5890/5972

GC/MS Semivolatile Water Composite MDL Study

Instrument ID	HP06756.i	HP06756.i	HP06756.i	HP06756.i	HP06756.i	HP06756.i	HP06756.i
Datafile	nd197.d	nd198.d	nd199.d	nd200.d	nd201.d	nd202.d	nd203.d
Injection Date	4/11/06 10:24	4/11/06 11:19	4/11/06 12:14	4/11/06 13:10	4/11/06 14:05	4/11/06 15:00	4/11/06 15:56
Lab Sample ID	WATERA	WATERB	WATERC	WATERD	WATERE	WATERF	WATERG
Client Sample ID	LOWA	LOWB	LOWC	LOWD	LOWE	LOWF	LOWG
Extraction Batch	06055WAM026						

Compound Name	Concentration (ug/l)	Concentration (ug/l)	Concentration (ug/l)	Concentration (ug/l)	Concentration (ug/l)	Concentration (ug/l)	Concentration (ug/l)	Mean Concentration (ug/l)	Standard Deviation	Student T value used	Sample MDL (ug/l)	Sample Spike Level (ug/l)	Average %Rec.	Reported MDL (ug/l)

* = Taken from files nd217.d, nd218.d, nd219.d, nd220.d, nd221.d, nd222.d, nd223.d
@ = Taken from files nd257.d, nd258.d, nd259.d, nd260.d, nd261.d, nd262.d, nd263.d
$ = Taken from files bd294.d, bd295.d, bd296.d, bd297.d, bd298.d, bd299.d, bd300.d
# = Taken from files bd357.d, bd358.d, bd359.d, bd372.d, bd373.d, bd374.d, bd375.d
** = Taken from files md563.d, md564.d, md565.d, md566.d, md567.d, md568.d, md569.d
*** = Taken from files ne004.d, ne005.d, ne006.d, ne007.d, ne008.d, ne009, ne010.d

1053

Analyst name and ID (printed): Joe Gambler 346 Approved by: CMR/412

Signature: Joe Gambler Title: Sr Specialist

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

-TF5-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791555

Sample wt/vol: 1038 (g/mL)ML Lab File ID: of0706.d

Level: (low/med) LOW Date Received: 06/10/06

% Moisture: not dec: dec: Date Extracted: 06/12/06

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/15/06

Injection Volume: 1 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: Sepf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	LOQ	UG/L	Q
541-73-1	1,3-Dichlorobenzene			5	U
106-46-7	1,4-Dichlorobenzene			5	U
95-50-1	1,2-Dichlorobenzene			5	U

6388

-TF5-

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4791555

Data file: /chem/HP09910.i/06jun15.b/of0706.d Blank Data file reference:/chem/HP09910.i/06jun14a.b/of0684.d
Injection date and time: 15-JUN-2006 10:53 Instrument ID: HP09910.i Batch: 06163WAA
Date, time and analyst ID of latest file update: 15-Jun-2006 16:13 lmh00956

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: **WTC8beacon**
Calibration date and time (Last Method Edit): 15-JUN-2006 12:03
Mid Level Daily Calibration Standard Reference: /chem/HP09910.i/06jun15.b/of0702.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt/(Vo * Vi) Matrix: WATER GPC Cleanup: No

Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Volume Injected (Vi): 1 ul
Sample Volume (Vo): 1038.0 ml Final Extract Volume (Vt): 1000 ul

Internal Standards	RT (+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ng/ul)	QC Flag
20) 1,4-Dichlorobenzene-d4	3.966(0.000)	372	152.0	193056(-20)	40.00	
47) Naphthalene-d8	5.116(0.000)	559	136.0	795077(-23)	40.00	
85) Acenaphthene-d10	6.794(0.000)	832	164.0	478837(-23)	40.00	
125) Phenanthrene-d10	8.233(0.000)	1066	188.0	969967(-22)	40.00	
156) Chrysene-d12	10.809(0.000)	1485	240.0	999833(-21)	40.00	
167) Perylene-d12	12.199(0.000)	1711	264.0	1027045(-14)	40.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
35) Nitrobenzene-d5	(2)	4.458(0.000)	82	1142671	94.347	94%		51 - 123
71) 2-Fluorobiphenyl	(3)	6.161(0.000)	172	1580003	99.066	99%		64 - 112
147) Terphenyl-d14	(5)	9.819(0.000)	244	2122059	108.400	108%		52 - 151

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/ul)
19) 1,3-Dichlorobenzene	(1)				Below MDL, Do not report				1.00
21) 1,4-Dichlorobenzene	(1)				Below MDL, Do not report				1.00
25) 1,2-Dichlorobenzene	(1)				Below MDL, Do not report				1.00

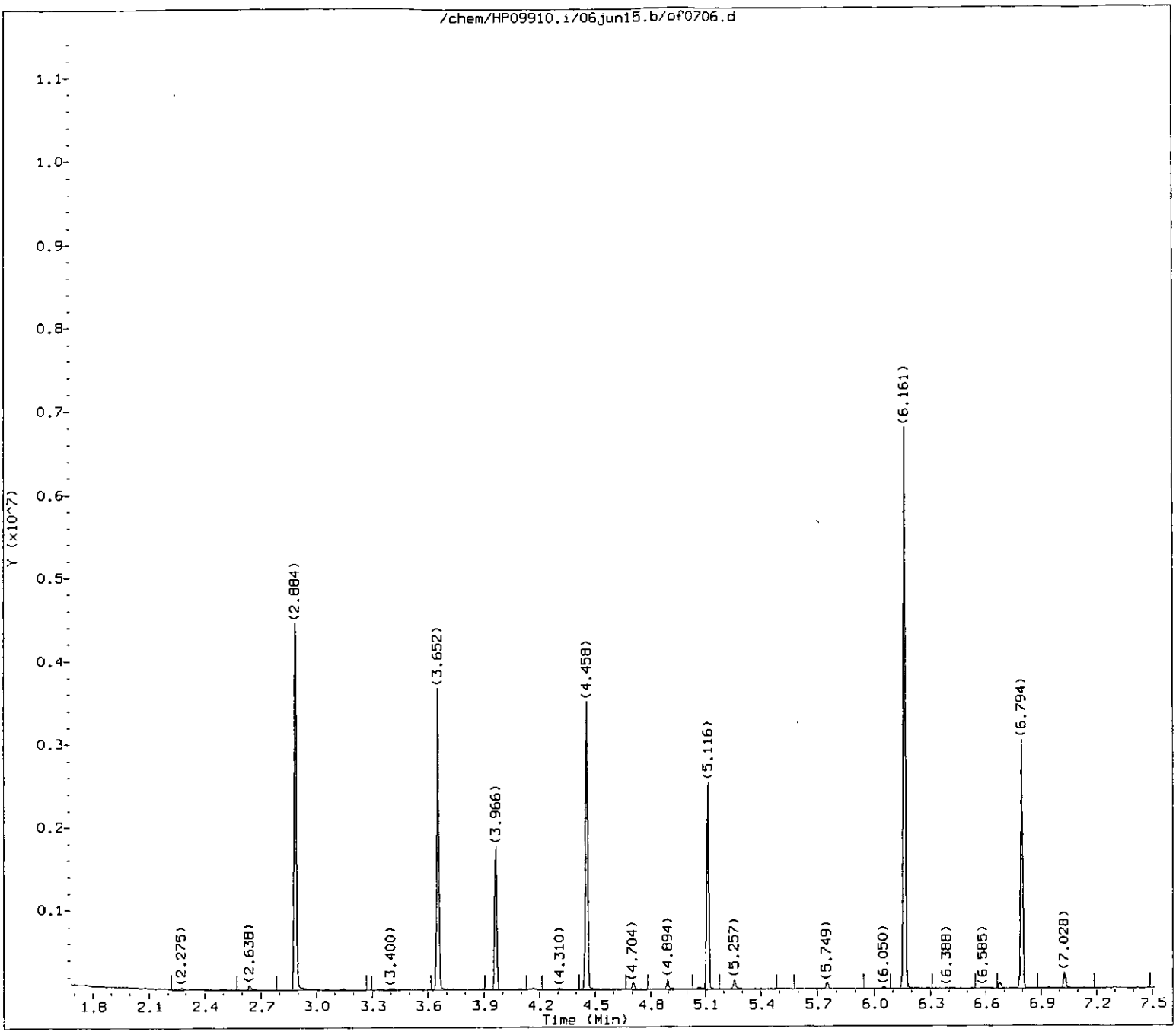
E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Total number of targets = 3

Comments:

Analyst: Date: 06/15/06
Auditor: Date: 6/19/06

6369



Quant Report

Target Revision 3.5

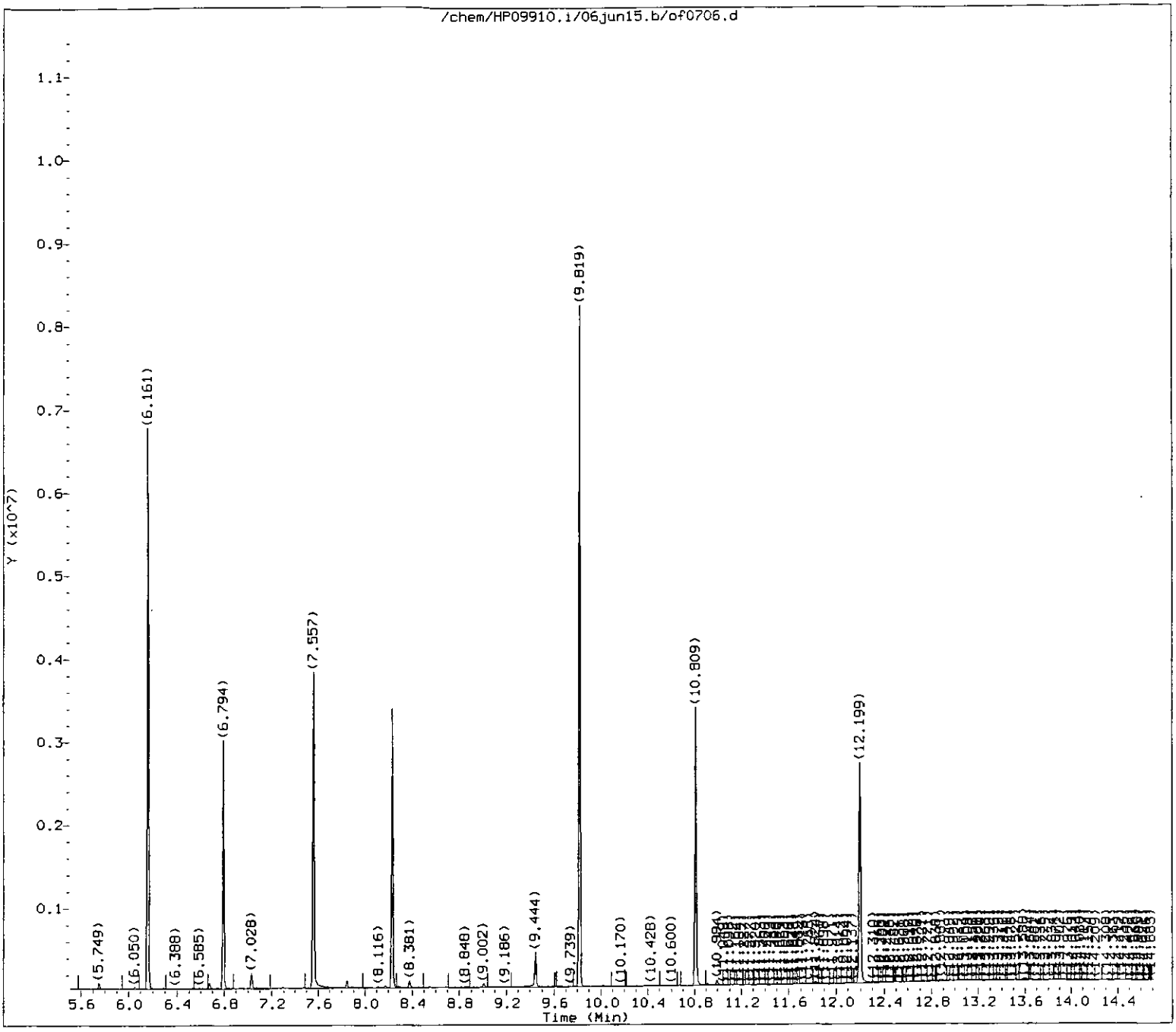
Data File: /chem/HP09910.i/06jun15.b/of0706.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 10:53 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 12:03
Date, time and analyst ID of latest file update: 15-Jun-2006 16:13 lmh00956

Sample Name: -TF5- Lab Sample ID: 4791555

0316

lmh195
06115/06



Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun15.b/of0706.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 10:53 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 12:03
Date, time and analyst ID of latest file update: 15-Jun-2006 16:13 lmh00956

Sample Name: -TF5- Lab Sample ID: 4791555

BGII

4mn198 06/15/06

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun15.b/of0706.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 10:53 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 12:03
Date, time and analyst ID of latest file update: 15-Jun-2006 16:13 lmh00956

Sample Name: -TF5- Lab Sample ID: 4791555

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
20) 1,4-Dichlorobenzene-d4	(1)	3.966	152	193056	40.000
47) Naphthalene-d8	(2)	5.116	136	795077	40.000
85) Acenaphthene-d10	(3)	6.794	164	478837	40.000
125) Phenanthrene-d10	(4)	8.233	188	969967	40.000
156) Chrysene-d12	(5)	10.809	240	999833	40.000
167) Perylene-d12	(6)	12.199	264	1027045	40.000
35) Nitrobenzene-d5	(2)	4.458	82	1142671	94.347
71) 2-Fluorobiphenyl	(3)	6.161	172	1580003	99.066
147) Terphenyl-d14	(5)	9.819	244	2122059	108.400

M = Compound was manually integrated. A = User selected an alternate hit

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

-TF23

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791556

Sample wt/vol: 994 (g/mL)ML Lab File ID: of0707.d

Level: (low/med) LOW Date Received: 06/10/06

% Moisture: not dec: dec: Date Extracted: 06/12/06

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/15/06

Injection Volume: 1 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: Sepf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	LOQ	UG/L	Q
541-73-1	1,3-Dichlorobenzene			5	U
106-46-7	1,4-Dichlorobenzene			5	U
95-50-1	1,2-Dichlorobenzene			5	U

0313

-TF23

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4791556

Data file: /chem/HP09910.i/06jun15.b/of0707.d Blank Data file reference:**/chem/HP09910.i/06jun14a.b/of0684.d**
Injection date and time: 15-JUN-2006 11:15 Instrument ID: HP09910.i Batch: 06163WAA
Date, time and analyst ID of latest file update: 15-Jun-2006 16:13 lmh00956

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: **WTC8beacon**
Calibration date and time (Last Method Edit): 15-JUN-2006 12:03
Mid Level Daily Calibration Standard Reference: /chem/HP09910.i/06jun15.b/of0702.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt/(Vo * Vi) Matrix: WATER GPC Cleanup: No

Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Volume Injected (Vi): 1 ul
Sample Volume (Vo): 994.0 ml Final Extract Volume (Vt): 1000 ul

Internal Standards	RT (+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ng/ul)	QC Flag
20) 1,4-Dichlorobenzene-d4	3.966(0.000)	372	152.0	197264(-19)	40.00	
47) Naphthalene-d8	5.116(0.000)	559	136.0	800387(-22)	40.00	
85) Acenaphthene-d10	6.794(0.000)	832	164.0	482598(-23)	40.00	
125) Phenanthrene-d10	8.233(0.000)	1066	188.0	963126(-23)	40.00	
156) Chrysene-d12	10.809(0.000)	1485	240.0	1013912(-20)	40.00	
167) Perylene-d12	12.199(0.000)	1711	264.0	1016852(-15)	40.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
35) Nitrobenzene-d5	(2)	4.458(0.000)	82	1142995	93.748	94%		51 - 123
71) 2-Fluorobiphenyl	(3)	6.161(0.000)	172	1613213	100.360	100%		64 - 112
147) Terphenyl-d14	(5)	9.819(0.000)	244	2129879	107.289	107%		52 - 151

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/ul)
19) 1,3-Dichlorobenzene	(1)			Below MDL, Do not report					1.00
21) 1,4-Dichlorobenzene	(1)			Below MDL, Do not report					1.00
25) 1,2-Dichlorobenzene	(1)			Below MDL, Do not report					1.00

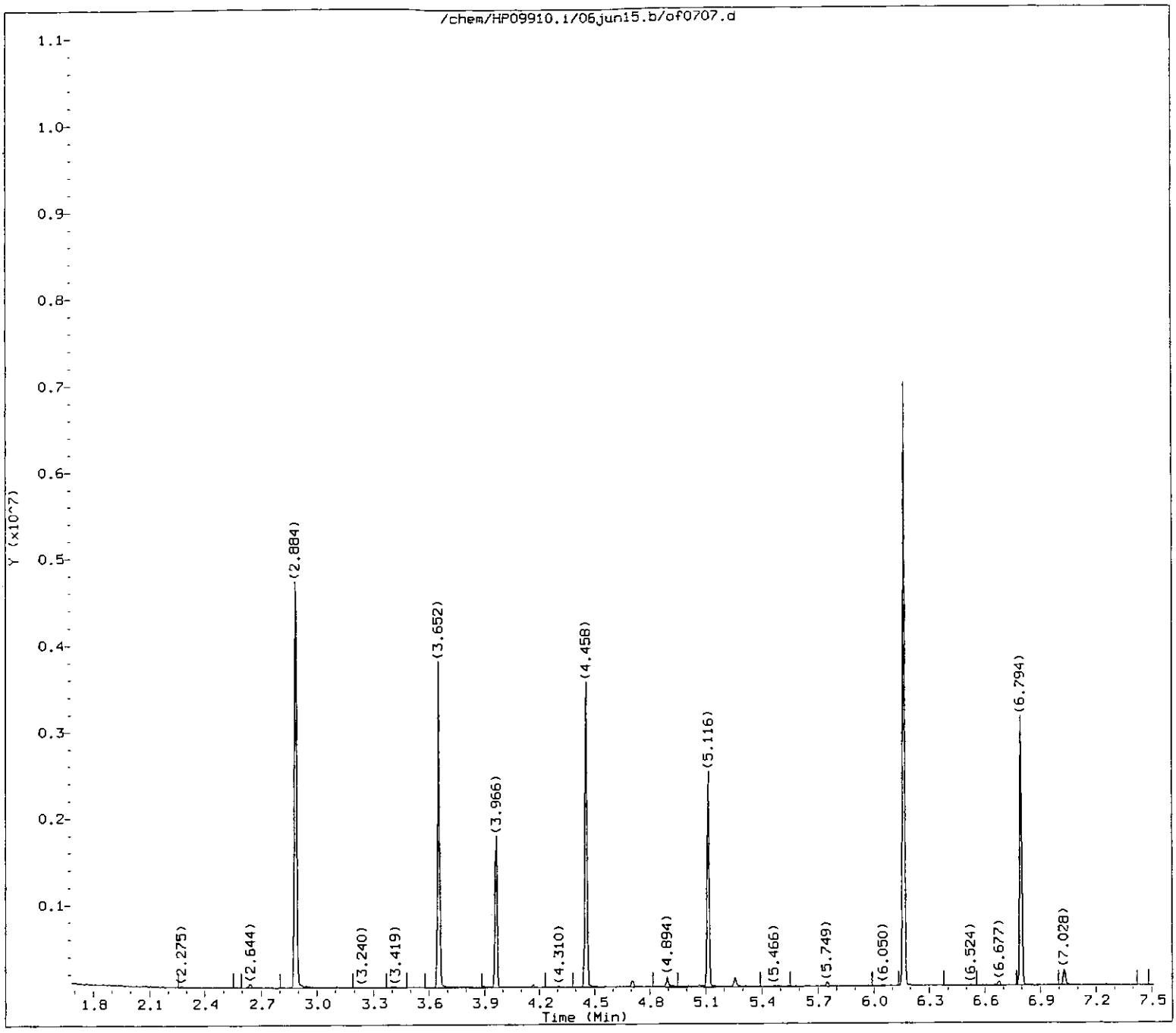
E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Total number of targets = 3

Comments: _____

Analyst: _____ Date: 06/15/06
Auditor: _____ Date: 6/16/06

0314



Quant Report

Target Revision 3.5

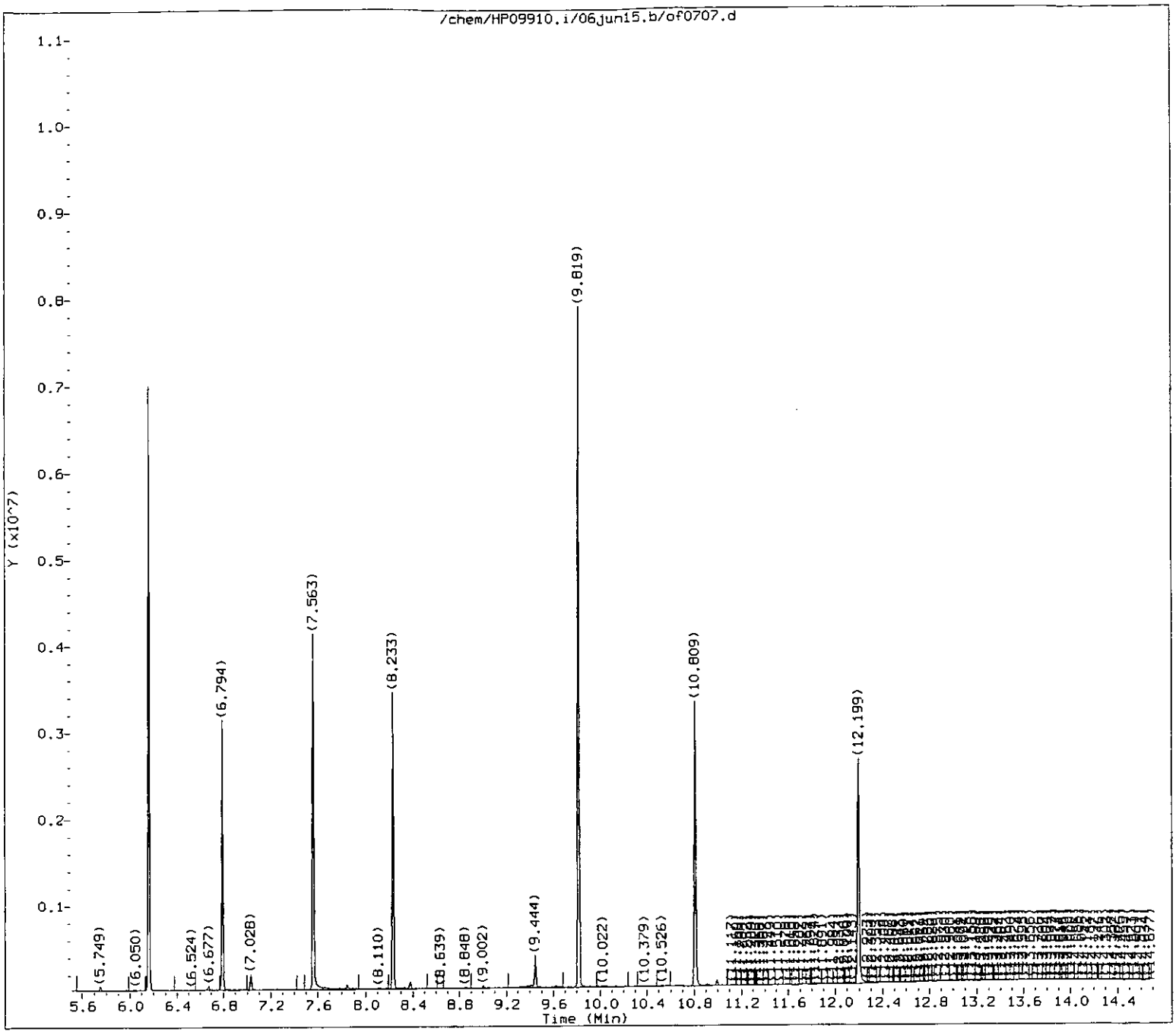
Data File: /chem/HP09910.i/06jun15.b/of0707.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 11:15 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 12:03
Date, time and analyst ID of latest file update: 15-Jun-2006 16:13 lmh00956

Sample Name: -TF23 Lab Sample ID: 4791556

0315

lmh1953 6/15/06



Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun15.b/of0707.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 11:15 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 12:03
Date, time and analyst ID of latest file update: 15-Jun-2006 16:13 lmh00956

Sample Name: -TF23 Lab Sample ID: 4791556

8316

lmh19536 6/15/06

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun15.b/of0707.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 11:15 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 12:03
Date, time and analyst ID of latest file update: 15-Jun-2006 16:13 lmh00956

Sample Name: -TF23 Lab Sample ID: 4791556

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
20) 1,4-Dichlorobenzene-d4	(1)	3.966	152	197264	40.000
47) Naphthalene-d8	(2)	5.116	136	800387	40.000
85) Acenaphthene-d10	(3)	6.794	164	482598	40.000
125) Phenanthrene-d10	(4)	8.233	188	963126	40.000
156) Chrysene-d12	(5)	10.809	240	1013912	40.000
167) Perylene-d12	(6)	12.199	264	1016852	40.000
35) Nitrobenzene-d5	(2)	4.458	82	1142995	93.748
71) 2-Fluorobiphenyl	(3)	6.161	172	1613213	100.360
147) Terphenyl-d14	(5)	9.819	244	2129879	107.289

M = Compound was manually integrated. A = User selected an alternate hit

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

-DC2-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791558

Sample wt/vol: 976 (g/mL) ML Lab File ID: of0708.d

Level: (low/med) LOW Date Received: 06/10/06

% Moisture: not dec: dec: Date Extracted: 06/12/06

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/15/06

Injection Volume: 1 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: Sepf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	LOQ	UG/L	Q
541-73-1	1,3-Dichlorobenzene			5	U
106-46-7	1,4-Dichlorobenzene			5	U
95-50-1	1,2-Dichlorobenzene			5	U

8318

-DC2-

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4791558

Data file: /chem/HP09910.i/06jun15.b/of0708.d Blank Data file reference:**/chem/HP09910.i/06jun14a.b/of0684.d**
Injection date and time: 15-JUN-2006 11:38 Instrument ID: HP09910.i Batch: 06163WAA
Date, time and analyst ID of latest file update: 15-Jun-2006 16:14 lmh00956

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: **WTC8beacon**
Calibration date and time (Last Method Edit): 15-JUN-2006 12:03
Mid Level Daily Calibration Standard Reference: /chem/HP09910.i/06jun15.b/of0702.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt/(Vo * Vi) Matrix: WATER GPC Cleanup: No

Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Volume Injected (Vi): 1 ul
Sample Volume (Vo): 976.0 ml Final Extract Volume (Vt): 1000 ul

Internal Standards	RT (+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ng/ul)	QC Flag
20) 1,4-Dichlorobenzene-d4	3.966(0.000)	372	152.0	197027(-19)	40.00	
47) Naphthalene-d8	5.116(0.000)	559	136.0	794236(-23)	40.00	
85) Acenaphthene-d10	6.794(0.000)	832	164.0	476799(-24)	40.00	
125) Phenanthrene-d10	8.233(0.000)	1066	188.0	973873(-22)	40.00	
156) Chrysene-d12	10.809(0.000)	1485	240.0	1013164(-20)	40.00	
167) Perylene-d12	12.199(0.000)	1711	264.0	1033715(-14)	40.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
35) Nitrobenzene-d5	(2)	4.458(0.000)	82	1114365	92.107	92%		51 - 123
71) 2-Fluorobiphenyl	(3)	6.161(0.000)	172	1551213	97.677	98%		64 - 112
147) Terphenyl-d14	(5)	9.819(0.000)	244	1980257	99.825	100%		52 - 151

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/ul)
19) 1,3-Dichlorobenzene	(1)			Below MDL, Do not report					1.00
21) 1,4-Dichlorobenzene	(1)			Below MDL, Do not report					1.00
25) 1,2-Dichlorobenzene	(1)			Below MDL, Do not report					1.00

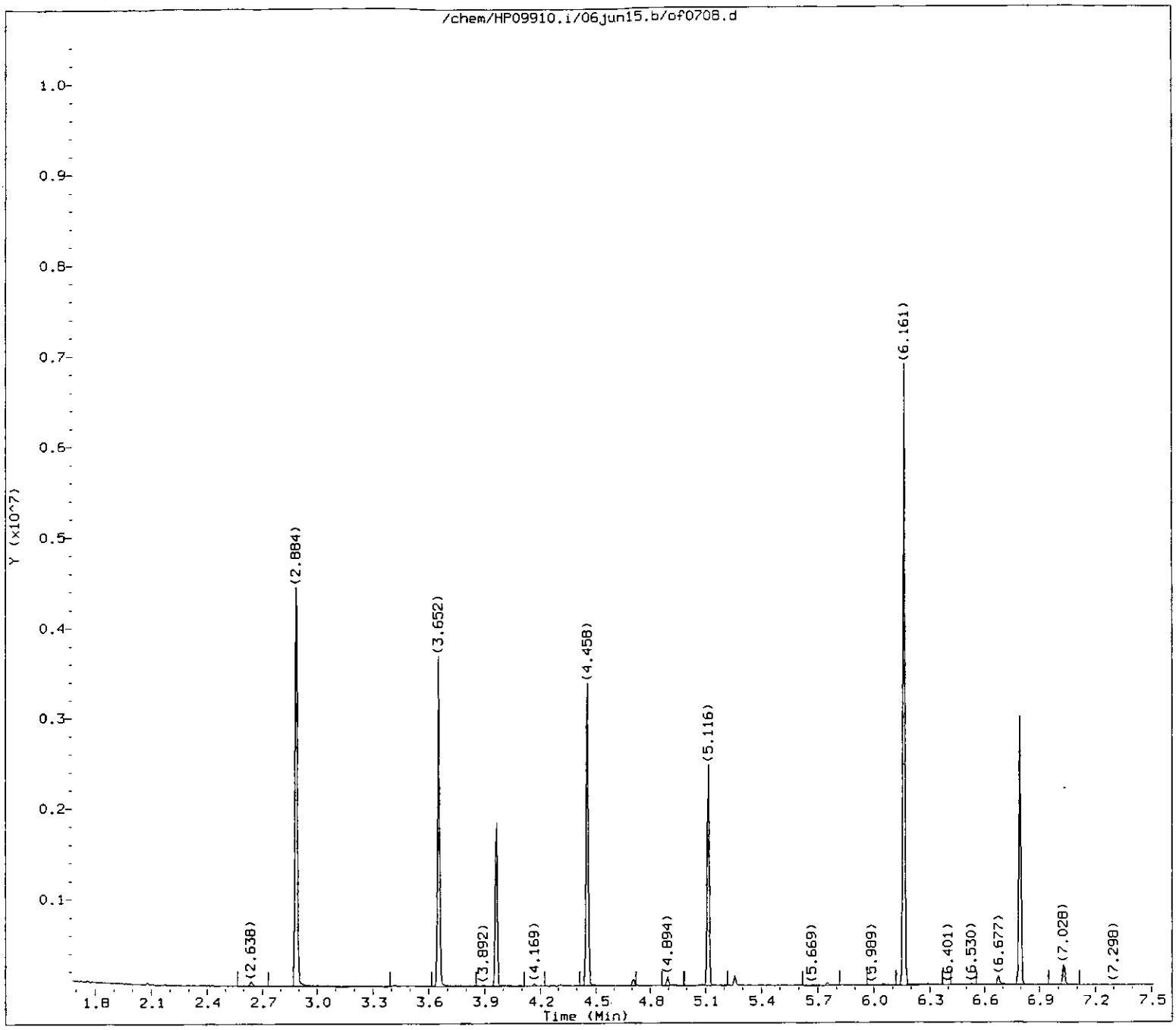
E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Total number of targets = 3

Comments: #27

Analyst: LMH163 Date: 06/15/06
Auditor: Date: 6/19/06

8319



Quant Report

Target Revision 3.5

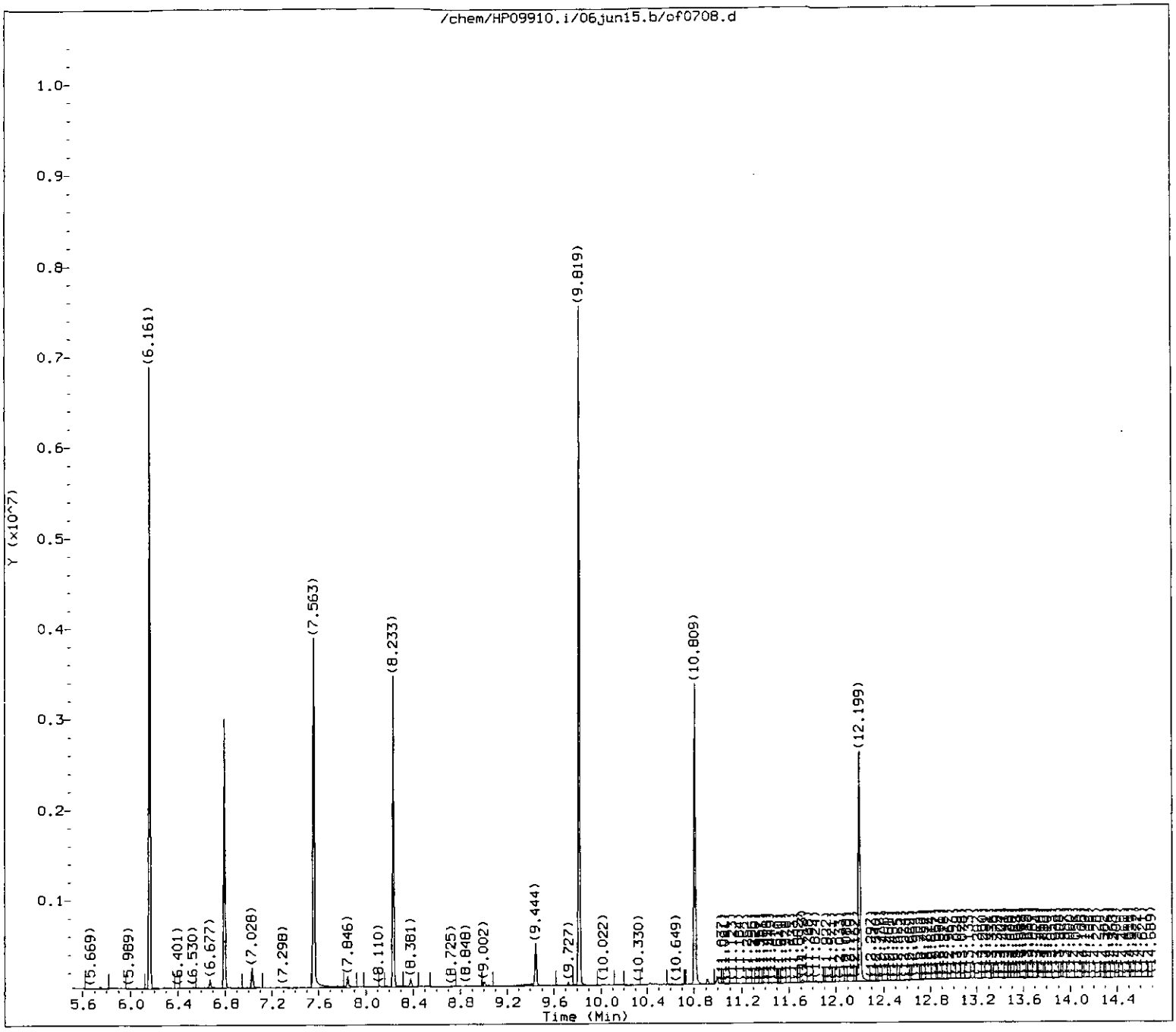
Data File: /chem/HP09910.i/06jun15.b/of0708.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 11:38 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 12:03
Date, time and analyst ID of latest file update: 15-Jun-2006 16:14 lmh00956

Sample Name: -DC2- Lab Sample ID: 4791558

8328

lmh06
06/16/06



Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun15.b/of0708.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 11:38 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 12:03
Date, time and analyst ID of latest file update: 15-Jun-2006 16:14 lmh00956

Sample Name: -DC2- Lab Sample ID: 4791558

6321

lmh1988
06/15/06

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun15.b/of0708.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 11:38 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 12:03
Date, time and analyst ID of latest file update: 15-Jun-2006 16:14 lmh00956

Sample Name: -DC2- Lab Sample ID: 4791558

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
20) 1,4-Dichlorobenzene-d4	(1)	3.966	152	197027	40.000
47) Naphthalene-d8	(2)	5.116	136	794236	40.000
85) Acenaphthene-d10	(3)	6.794	164	476799	40.000
125) Phenanthrene-d10	(4)	8.233	188	973873	40.000
156) Chrysene-d12	(5)	10.809	240	1013164	40.000
167) Perylene-d12	(6)	12.199	264	1033715	40.000
35) Nitrobenzene-d5	(2)	4.458	82	1114365	92.107
71) 2-Fluorobiphenyl	(3)	6.161	172	1551213	97.677
147) Terphenyl-d14	(5)	9.819	244	1980257	99.825

M = Compound was manually integrated. A = User selected an alternate hit

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

-DC1-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791559

Sample wt/vol: 1049 (g/mL)ML Lab File ID: of0709.d

Level: (low/med) LOW Date Received: 06/10/06

% Moisture: not dec: dec: Date Extracted: 06/12/06

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/15/06

Injection Volume: 1 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: Sepf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	LOQ	UG/L	Q
541-73-1	1,3-Dichlorobenzene			5	U
106-46-7	1,4-Dichlorobenzene			5	U
95-50-1	1,2-Dichlorobenzene			5	U

6323

-DC1-

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4791559

Data file: /chem/HP09910.i/06jun15.b/of0709.d Blank Data file reference:**/chem/HP09910.i/06jun14a.b/of0684.d**
Injection date and time: 15-JUN-2006 12:00 Instrument ID: HP09910.i Batch: 06163WAA
Date, time and analyst ID of latest file update: 15-Jun-2006 16:14 lmh00956

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: **WTC8beacon**
Calibration date and time (Last Method Edit): 15-JUN-2006 12:03
Mid Level Daily Calibration Standard Reference: /chem/HP09910.i/06jun15.b/of0702.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt/(Vo * Vi) Matrix: WATER GPC Cleanup: No

Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Volume Injected (Vi): 1 ul
Sample Volume (Vo): 1049.0 ml Final Extract Volume (Vt): 1000 ul

Internal Standards	RT (+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ng/ul)	QC Flag
20) 1,4-Dichlorobenzene-d4	3.966(0.000)	372	152.0	199186(-18)	40.00	
47) Naphthalene-d8	5.115(0.000)	559	136.0	787191(-24)	40.00	
85) Acenaphthene-d10	6.794(0.000)	832	164.0	474596(-24)	40.00	
125) Phenanthrene-d10	8.233(0.000)	1066	188.0	964605(-22)	40.00	
156) Chrysene-d12	10.809(0.000)	1485	240.0	1011054(-21)	40.00	
167) Perylene-d12	12.193(0.006)	1710	264.0	1014432(-15)	40.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
35) Nitrobenzene-d5	(2)	4.458(0.000)	82	1131941	94.397	94%		51 - 123
71) 2-Fluorobiphenyl	(3)	6.161(0.000)	172	1576681	99.741	100%		64 - 112
147) Terphenyl-d14	(5)	9.819(0.000)	244	2076562	104.899	105%		52 - 151

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/ul)
19) 1,3-Dichlorobenzene	(1)				Below MDL, Do not report				1.00
21) 1,4-Dichlorobenzene	(1)				Below MDL, Do not report				1.00
25) 1,2-Dichlorobenzene	(1)				Below MDL, Do not report				1.00

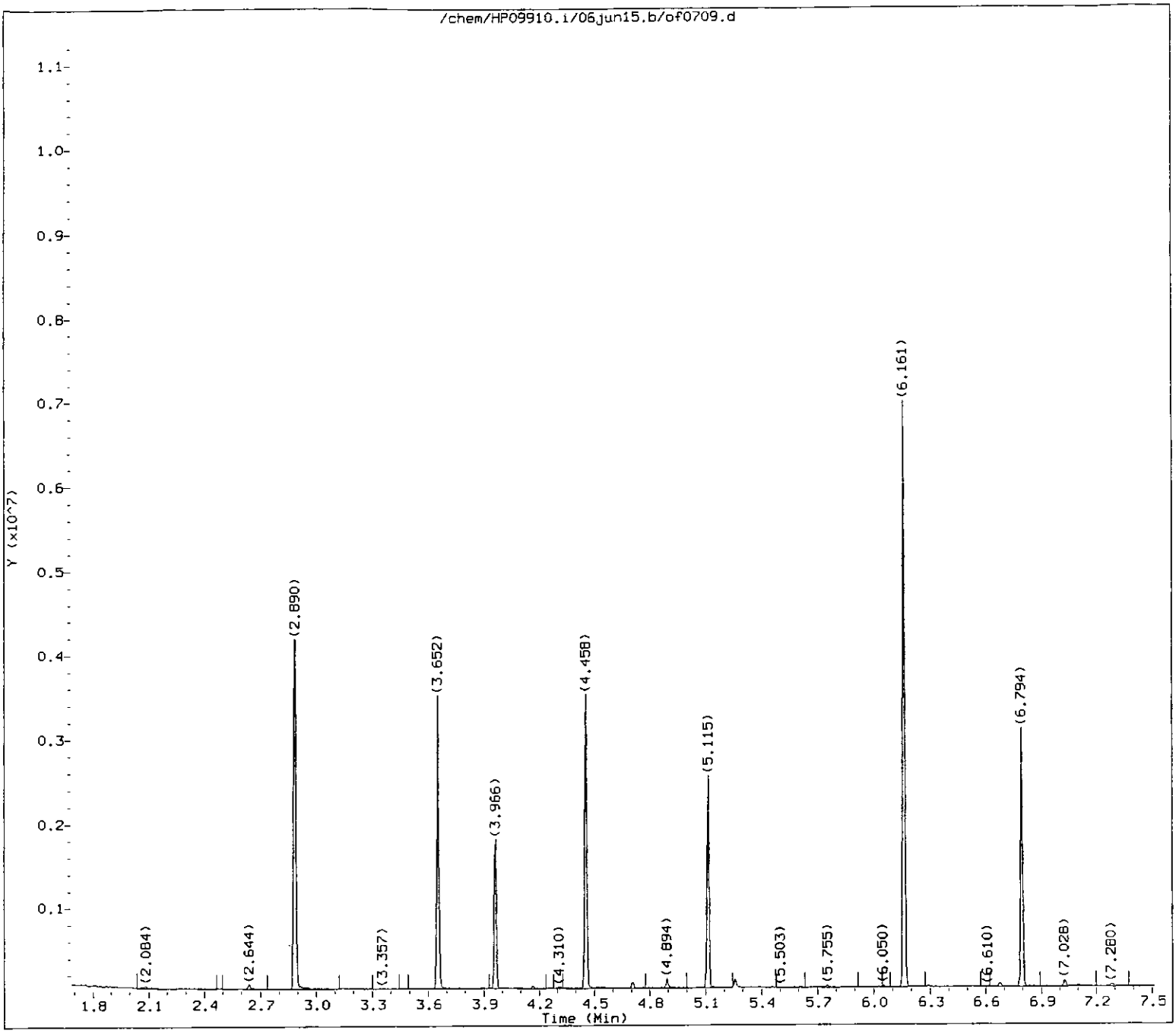
E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Total number of targets = 3

Comments: _____

Analyst: _____ Date: 06/15/06
Auditor: _____ Date: 6/19/06

0324



Quant Report

Target Revision 3.5

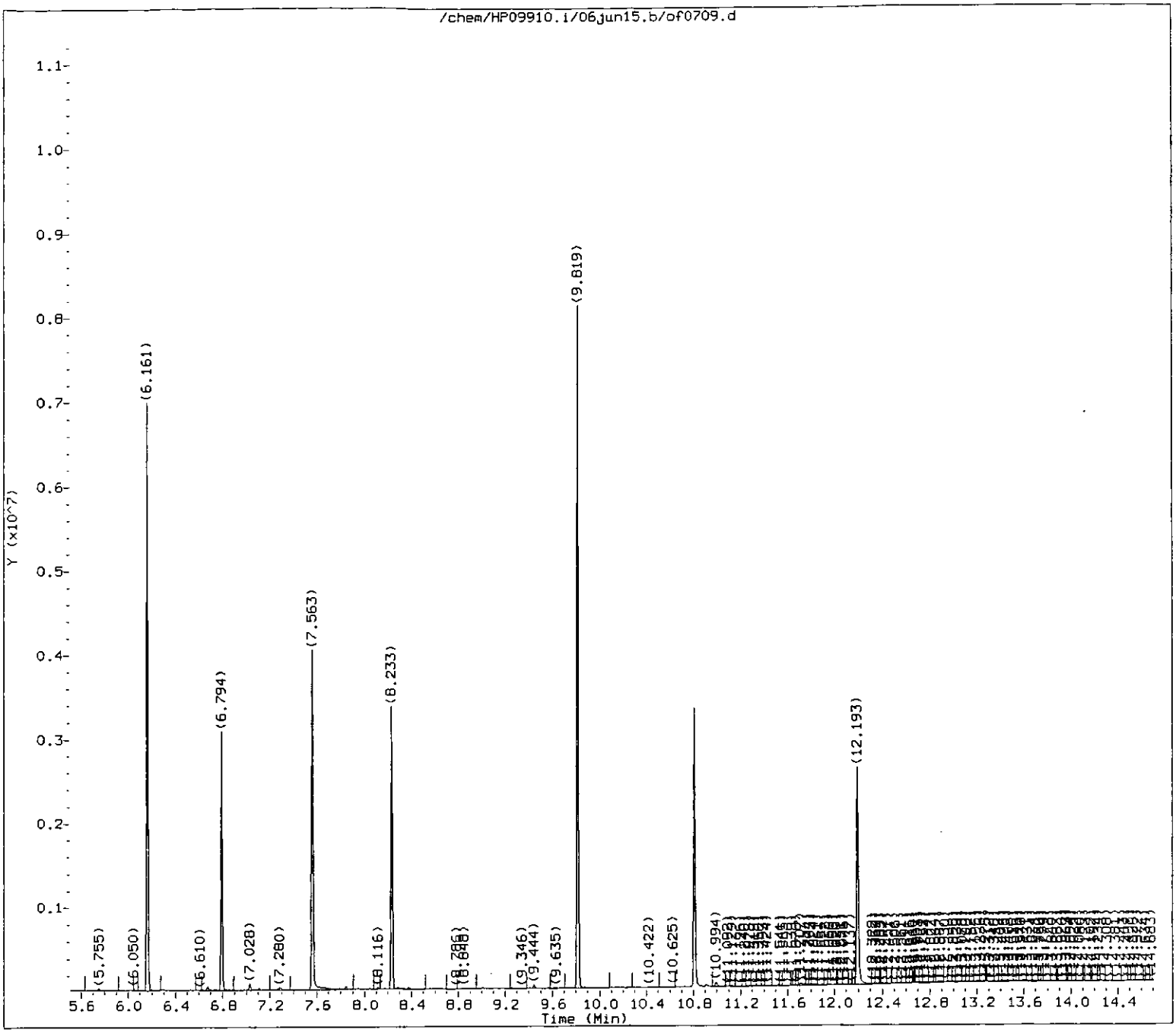
Data File: /chem/HP09910.i/06jun15.b/of0709.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 12:00 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 12:03
Date, time and analyst ID of latest file update: 15-Jun-2006 16:14 lmh00956

Sample Name: -DC1- Lab Sample ID: 4791559

8325

lmh1915
06/15/06



Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun15.b/of0709.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 12:00 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 12:03
Date, time and analyst ID of latest file update: 15-Jun-2006 16:14 lmh00956

Sample Name: -DC1- Lab Sample ID: 4791559

8326

06/15/06

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun15.b/of0709.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 12:00 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 12:03
Date, time and analyst ID of latest file update: 15-Jun-2006 16:14 lmh00956

Sample Name: -DC1- Lab Sample ID: 4791559

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
20) 1,4-Dichlorobenzene-d4	(1)	3.966	152	199186	40.000
47) Naphthalene-d8	(2)	5.115	136	787191	40.000
85) Acenaphthene-d10	(3)	6.794	164	474596	40.000
125) Phenanthrene-d10	(4)	8.233	188	964605	40.000
156) Chrysene-d12	(5)	10.809	240	1011054	40.000
167) Perylene-d12	(6)	12.193	264	1014432	40.000
35) Nitrobenzene-d5	(2)	4.458	82	1131941	94.397
71) 2-Fluorobiphenyl	(3)	6.161	172	1576681	99.741
147) Terphenyl-d14	(5)	9.819	244	2076562	104.899

M = Compound was manually integrated. A = User selected an alternate hit

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DB8B-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791560

Sample wt/vol: 990 (g/mL)ML Lab File ID: of0710.d

Level: (low/med) LOW Date Received: 06/10/06

% Moisture: not dec: dec: Date Extracted: 06/12/06

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/15/06

Injection Volume: 1 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: Sepf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	LOQ UG/L	Q
541-73-1-------	1,3-Dichlorobenzene		5	U
106-46-7-------	1,4-Dichlorobenzene		5	U
95-50-1--------	1,2-Dichlorobenzene		5	U

8328

DB8B-

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4791560

Data file: /chem/HP09910.i/06jun15.b/of0710.d Blank Data file reference:/chem/HP09910.i/06jun14a.b/of0684.d
Injection date and time: 15-JUN-2006 12:22 Instrument ID: HP09910.i Batch: 06163WAA
Date, time and analyst ID of latest file update: 15-Jun-2006 16:14 lmh00956

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time (Last Method Edit): 15-JUN-2006 12:03
Mid Level Daily Calibration Standard Reference: /chem/HP09910.i/06jun15.b/of0702.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt/(Vo * Vi) Matrix: WATER GPC Cleanup: No

Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Volume Injected (Vi): 1 ul
Sample Volume (Vo): 990.0 ml Final Extract Volume (Vt): 1000 ul

Internal Standards	RT (+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ng/ul)	QC Flag
20) 1,4-Dichlorobenzene-d4	3.966(0.000)	372	152.0	192430(-21)	40.00	
47) Naphthalene-d8	5.115(0.000)	559	136.0	790893(-23)	40.00	
85) Acenaphthene-d10	6.794(0.000)	832	164.0	467423(-25)	40.00	
125) Phenanthrene-d10	8.233(0.000)	1066	188.0	942720(-24)	40.00	
156) Chrysene-d12	10.809(0.000)	1485	240.0	969007(-24)	40.00	
167) Perylene-d12	12.199(0.000)	1711	264.0	983739(-18)	40.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
35) Nitrobenzene-d5	(2)	4.458(0.000)	82	1158474	96.158	96%		51 - 123
71) 2-Fluorobiphenyl	(3)	6.161(0.000)	172	1587714	101.981	102%		64 - 112
147) Terphenyl-d14	(5)	9.819(0.000)	244	2151333	113.391	113%		52 - 151

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/ul)
19) 1,3-Dichlorobenzene	(1)			Below MDL, Do not report					1.00
21) 1,4-Dichlorobenzene	(1)			Below MDL, Do not report					1.00
25) 1,2-Dichlorobenzene	(1)			Below MDL, Do not report					1.00

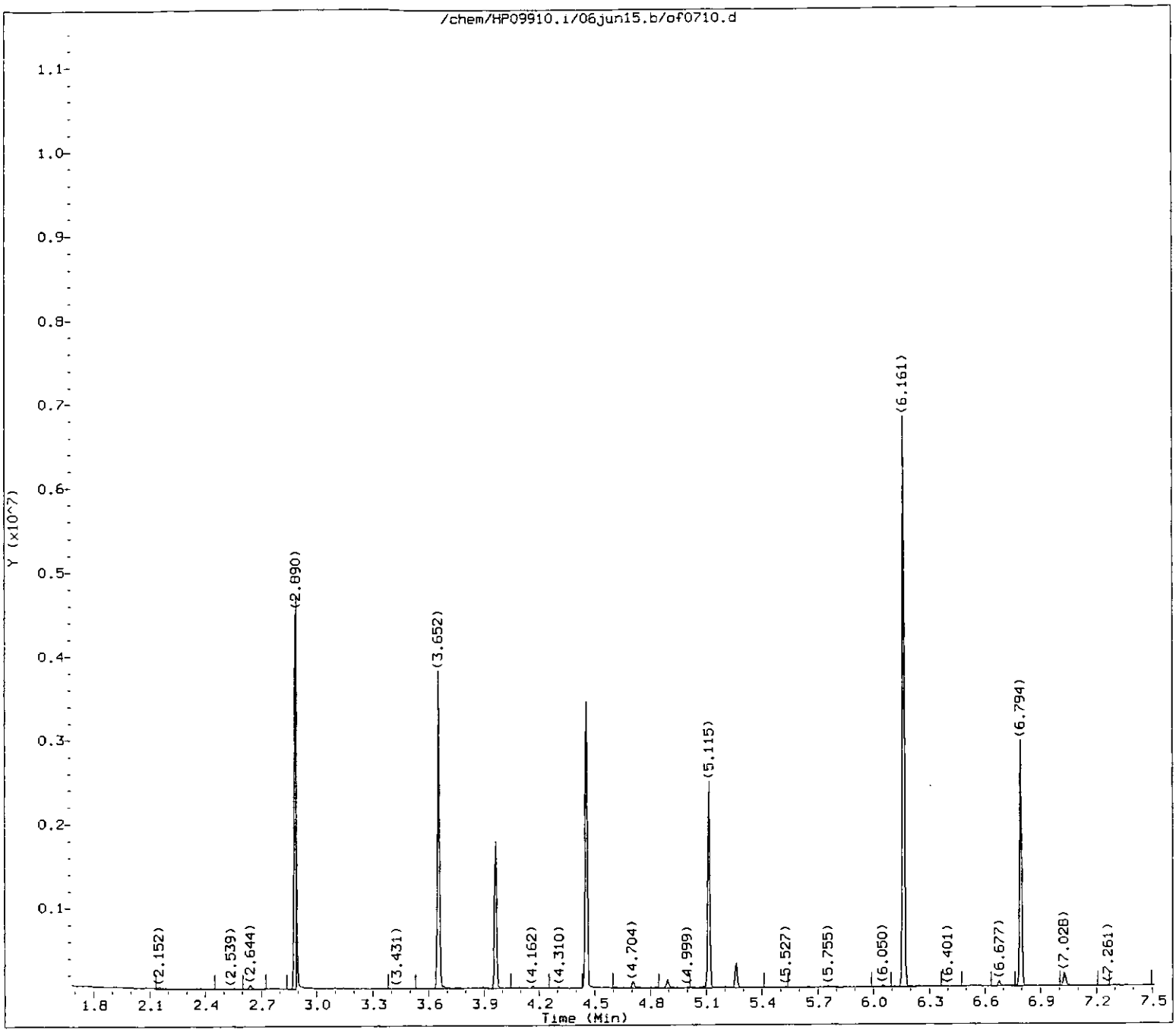
E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Total number of targets = 3

Comments: _____

Analyst: _____ Date: 06/15/06
Auditor: _____ Date: 6/16/06

8329



Quant Report

Target Revision 3.5

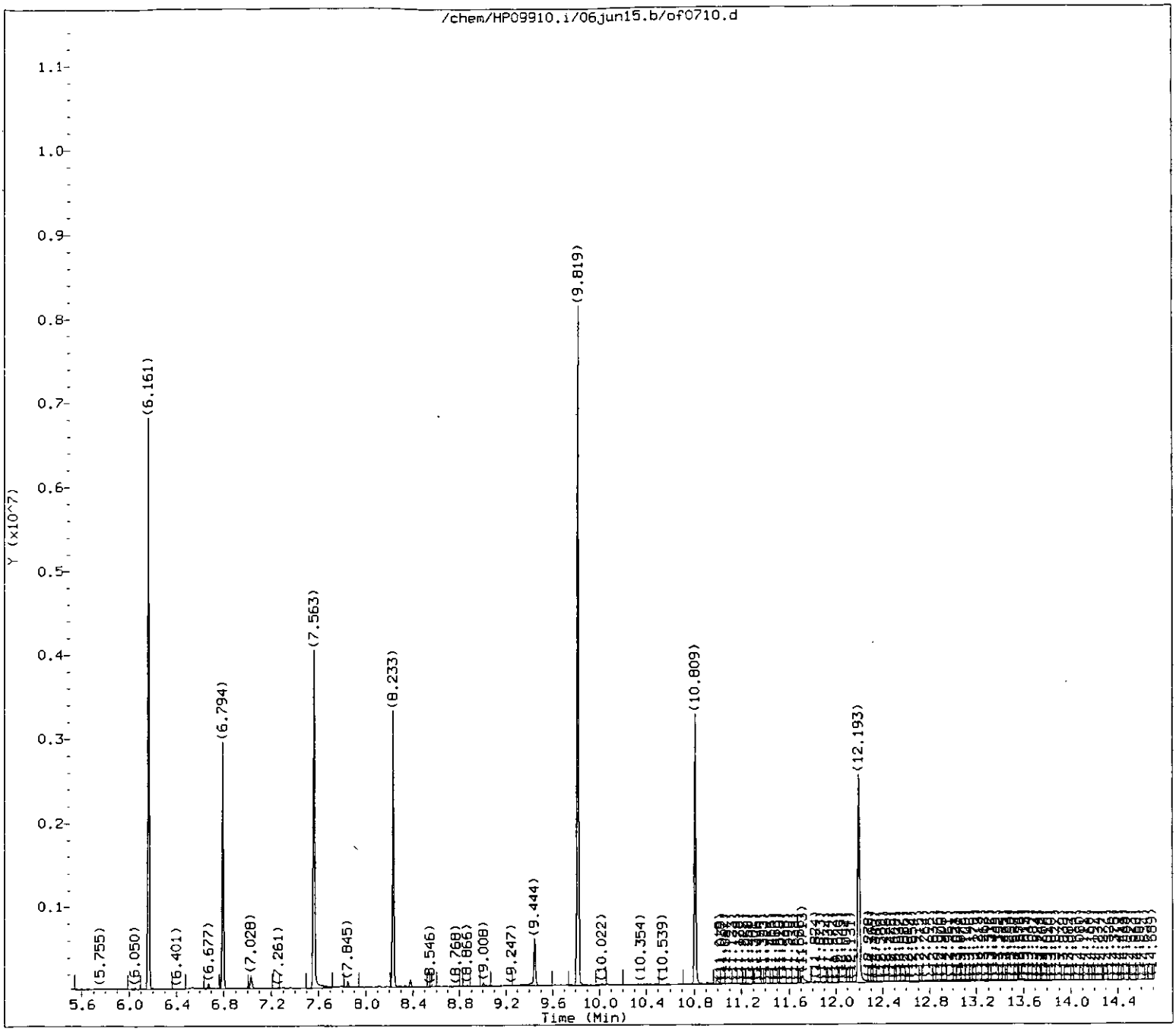
Data File: /chem/HP09910.i/06jun15.b/of0710.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 12:22 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 12:03
Date, time and analyst ID of latest file update: 15-Jun-2006 16:14 lmh00956

Sample Name: DB8B- Lab Sample ID: 4791560

0338

06/15/06



Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun15.b/of0710.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 12:22 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 12:03
Date, time and analyst ID of latest file update: 15-Jun-2006 16:14 lmh00956

Sample Name: DB8B- Lab Sample ID: 4791560

6331

lmh195
06/15/06

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun15.b/of0710.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 12:22 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 12:03
Date, time and analyst ID of latest file update: 15-Jun-2006 16:14 lmh00956

Sample Name: DB8B- Lab Sample ID: 4791560

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
20) 1,4-Dichlorobenzene-d4	(1)	3.966	152	192430	40.000
47) Naphthalene-d8	(2)	5.115	136	790893	40.000
85) Acenaphthene-d10	(3)	6.794	164	467423	40.000
125) Phenanthrene-d10	(4)	8.233	188	942720	40.000
156) Chrysene-d12	(5)	10.809	240	969007	40.000
167) Perylene-d12	(6)	12.199	264	983739	40.000
35) Nitrobenzene-d5	(2)	4.458	82	1158474	96.158
71) 2-Fluorobiphenyl	(3)	6.161	172	1587714	101.981
147) Terphenyl-d14	(5)	9.819	244	2151333	113.391

M = Compound was manually integrated. A = User selected an alternate hit

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DB108

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791561

Sample wt/vol: 996 (g/mL) ML Lab File ID: of0711.d

Level: (low/med) LOW Date Received: 06/10/06

% Moisture: not dec: dec: Date Extracted: 06/12/06

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/15/06

Injection Volume: 1 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: Sepf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	LOQ	UG/L	Q
541-73-1	1,3-Dichlorobenzene			5	U
106-46-7	1,4-Dichlorobenzene			5	U
95-50-1	1,2-Dichlorobenzene			5	U

0333

DB108

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4791561

Data file: /chem/HP09910.i/06jun15.b/of0711.d Blank Data file reference:**/chem/HP09910.i/06jun14a.b/of0684.d**
Injection date and time: 15-JUN-2006 12:45 Instrument ID: HP09910.i Batch: 06163WAA
Date, time and analyst ID of latest file update: 15-Jun-2006 16:14 lmh00956

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: **WTC8beacon**
Calibration date and time (Last Method Edit): 15-JUN-2006 12:03
Mid Level Daily Calibration Standard Reference: /chem/HP09910.i/06jun15.b/of0702.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt/(Vo * Vi) Matrix: WATER GPC Cleanup: No

Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Volume Injected (Vi): 1 ul
Sample Volume (Vo): 996.0 ml Final Extract Volume (Vt): 1000 ul

Internal Standards	RT (+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ng/ul)	QC Flag
20) 1,4-Dichlorobenzene-d4	3.966(0.000)	372	152.0	196235(-19)	40.00	
47) Naphthalene-d8	5.116(0.000)	559	136.0	802594(-22)	40.00	
85) Acenaphthene-d10	6.794(0.000)	832	164.0	475501(-24)	40.00	
125) Phenanthrene-d10	8.233(0.000)	1066	188.0	967590(-22)	40.00	
156) Chrysene-d12	10.809(0.000)	1485	240.0	1003059(-21)	40.00	
167) Perylene-d12	12.199(0.000)	1711	264.0	1016317(-15)	40.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
35) Nitrobenzene-d5	(2)	4.458(0.000)	82	1101316	90.081	90%		51 - 123
71) 2-Fluorobiphenyl	(3)	6.161(0.000)	172	1544497	97.519	98%		64 - 112
147) Terphenyl-d14	(5)	9.819(0.000)	244	2115203	107.702	108%		52 - 151

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/ul)
19) 1,3-Dichlorobenzene	(1)			Below MDL, Do not report					1.00
21) 1,4-Dichlorobenzene	(1)			Below MDL, Do not report					1.00
25) 1,2-Dichlorobenzene	(1)			Below MDL, Do not report					1.00

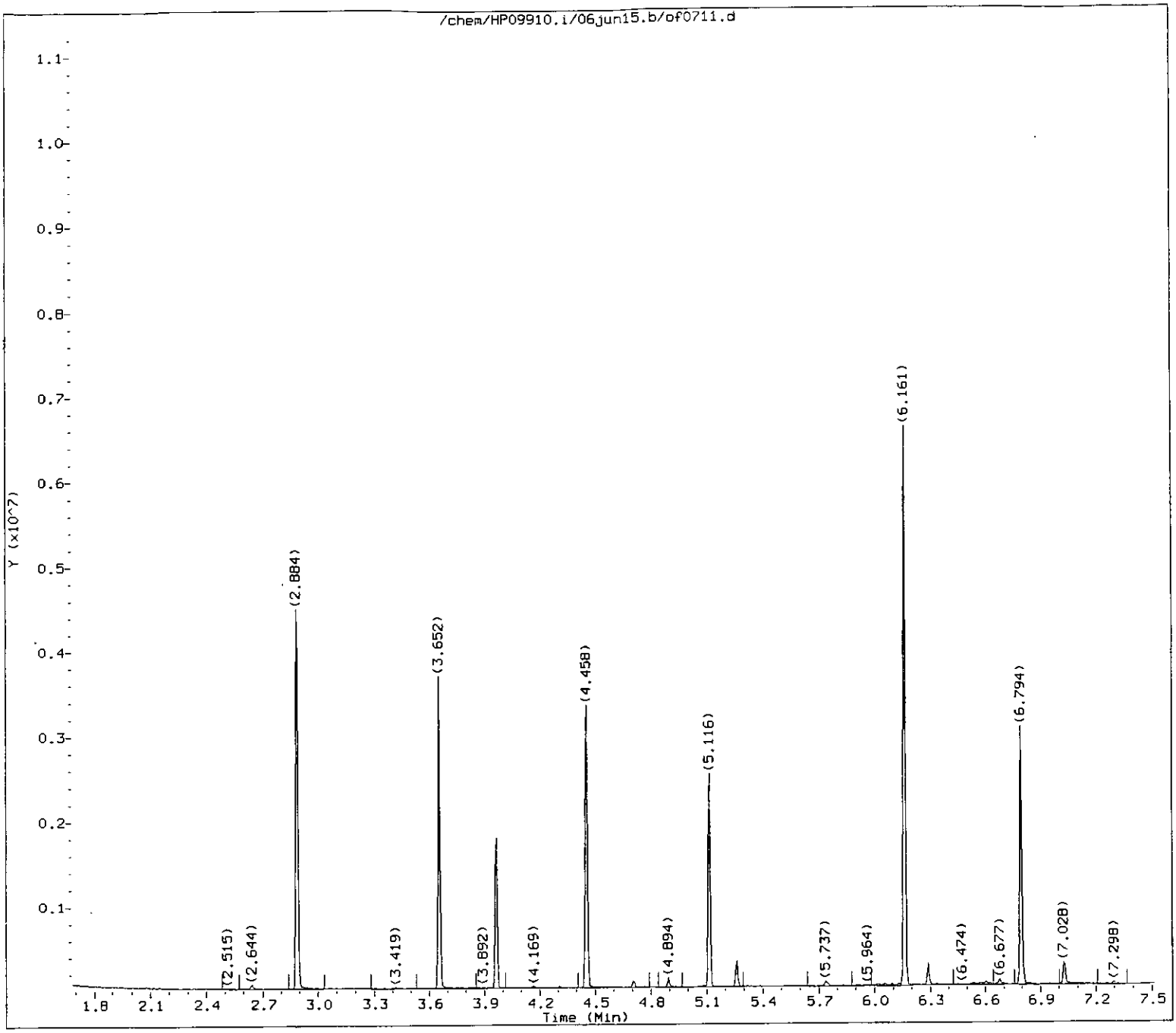
E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Total number of targets = 3

Comments: _____

Analyst: _____ Date: 06/15/06
Auditor: BMM 113 Date: 6/19/06

6334



Quant Report

Target Revision 3.5

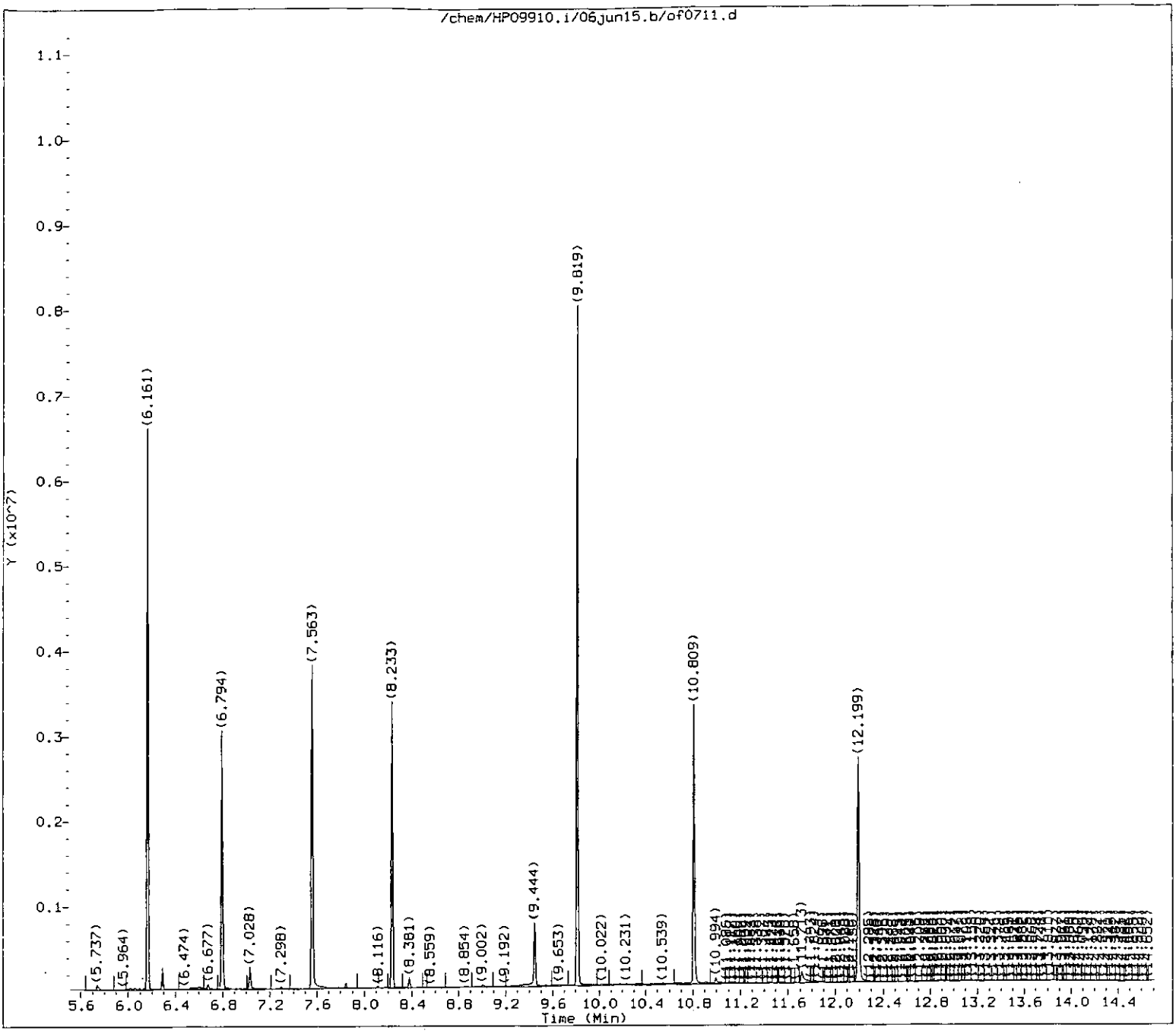
Data File: /chem/HP09910.i/06jun15.b/of0711.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 12:45 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 12:03
Date, time and analyst ID of latest file update: 15-Jun-2006 16:14 lmh00956

Sample Name: DB108 Lab Sample ID: 4791561

0335

06/15/06



Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun15.b/of0711.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 12:45 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 12:03
Date, time and analyst ID of latest file update: 15-Jun-2006 16:14 lmh00956

Sample Name: DB108 Lab Sample ID: 4791561

0336

lmh198 De 115/06

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun15.b/of0711.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 12:45 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 12:03
Date, time and analyst ID of latest file update: 15-Jun-2006 16:14 lmh00956

Sample Name: DB108 Lab Sample ID: 4791561

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
20) 1,4-Dichlorobenzene-d4	(1)	3.966	152	196235	40.000
47) Naphthalene-d8	(2)	5.116	136	802594	40.000
85) Acenaphthene-d10	(3)	6.794	164	475501	40.000
125) Phenanthrene-d10	(4)	8.233	188	967590	40.000
156) Chrysene-d12	(5)	10.809	240	1003059	40.000
167) Perylene-d12	(6)	12.199	264	1016317	40.000
35) Nitrobenzene-d5	(2)	4.458	82	1101316	90.081
71) 2-Fluorobiphenyl	(3)	6.161	172	1544497	97.519
147) Terphenyl-d14	(5)	9.819	244	2115203	107.702

M = Compound was manually integrated. A = User selected an alternate hit

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DB17-

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791562

Sample wt/vol: 1011 (g/mL)ML Lab File ID: of0712.d

Level: (low/med) LOW Date Received: 06/10/06

% Moisture: not dec: dec: Date Extracted: 06/12/06

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/15/06

Injection Volume: 1 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: Sepf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	LOQ	UG/L	Q
541-73-1	1,3-Dichlorobenzene			5	U
106-46-7	1,4-Dichlorobenzene			5	U
95-50-1	1,2-Dichlorobenzene			5	U

0338

DB17-

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4791562

Data file: /chem/HP09910.i/06jun15.b/of0712.d Blank Data file reference:**/chem/HP09910.i/06jun14a.b/of0684.d**
Injection date and time: 15-JUN-2006 13:07 Instrument ID: HP09910.i Batch: 06163WAA
Date, time and analyst ID of latest file update: 15-Jun-2006 16:15 lmh00956

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: **WTC8beacon**
Calibration date and time (Last Method Edit): 15-JUN-2006 12:03
Mid Level Daily Calibration Standard Reference: /chem/HP09910.i/06jun15.b/of0702.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt/(Vo * Vi) Matrix: WATER GPC Cleanup: No

Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Volume Injected (Vi): 1 ul
Sample Volume (Vo): 1011.0 ml Final Extract Volume (Vt): 1000 ul

Internal Standards	RT (+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ng/ul)	QC Flag
20) 1,4-Dichlorobenzene-d4	3.966(0.000)	372	152.0	199232(-18)	40.00	
47) Naphthalene-d8	5.115(0.000)	559	136.0	806929(-22)	40.00	
85) Acenaphthene-d10	6.794(0.000)	832	164.0	472350(-24)	40.00	
125) Phenanthrene-d10	8.233(0.000)	1066	188.0	950549(-24)	40.00	
156) Chrysene-d12	10.809(0.000)	1485	240.0	979962(-23)	40.00	
167) Perylene-d12	12.199(0.000)	1711	264.0	1006729(-16)	40.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
35) Nitrobenzene-d5	(2)	4.458(0.000)	82	1098071	89.333	89%		51 - 123
71) 2-Fluorobiphenyl	(3)	6.161(0.000)	172	1551634	98.624	99%		64 - 112
147) Terphenyl-d14	(5)	9.819(0.000)	244	1994579	103.954	104%		52 - 151

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/ul)
19) 1,3-Dichlorobenzene	(1)			Below MDL, Do not report					1.00
21) 1,4-Dichlorobenzene	(1)			Below MDL, Do not report					1.00
25) 1,2-Dichlorobenzene	(1)			Below MDL, Do not report					1.00

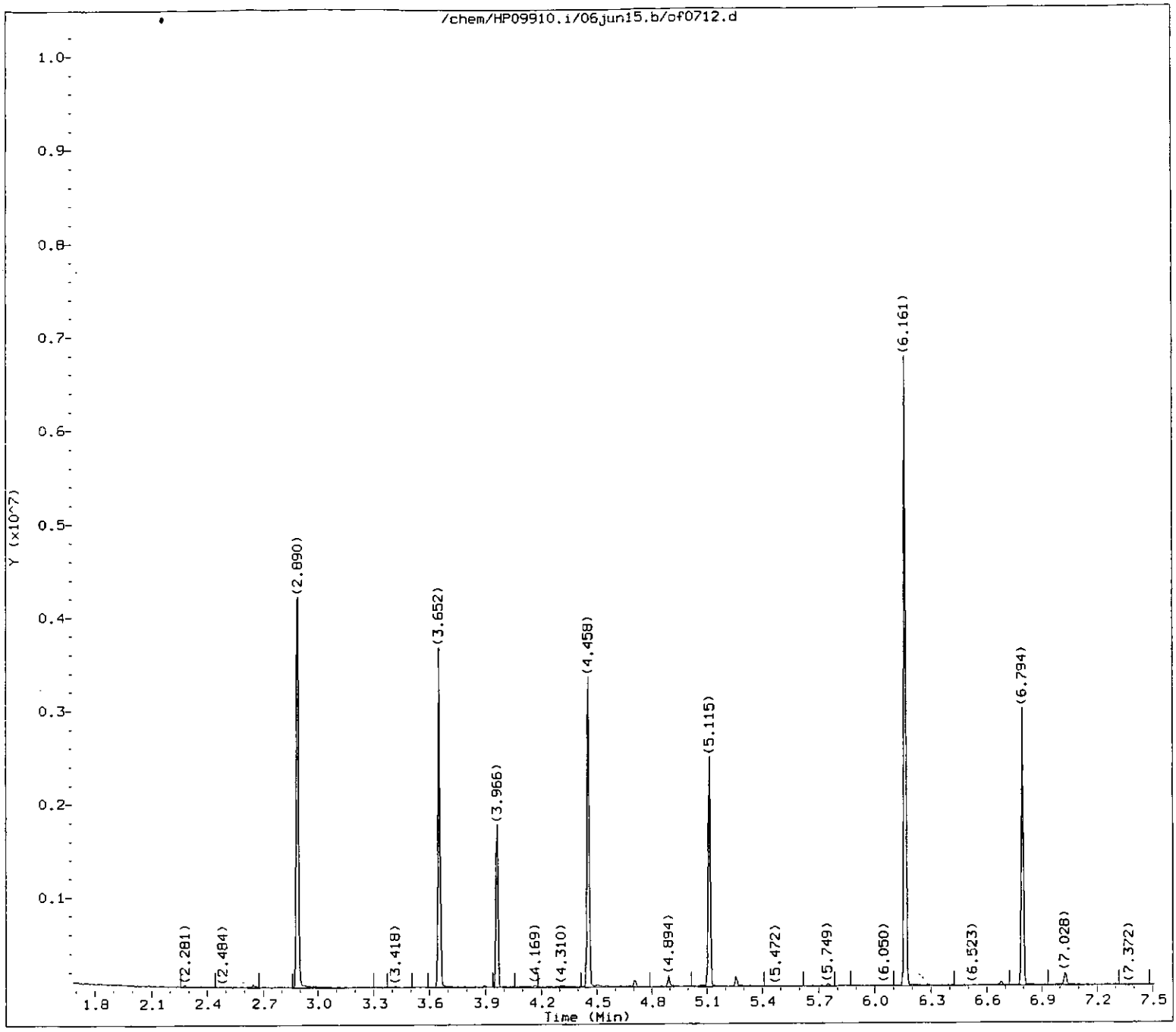
E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Total number of targets = 3

Comments:

Analyst: Date: 06/15/06
Auditor: Date: 6/19/06

6339



Quant Report

Target Revision 3.5

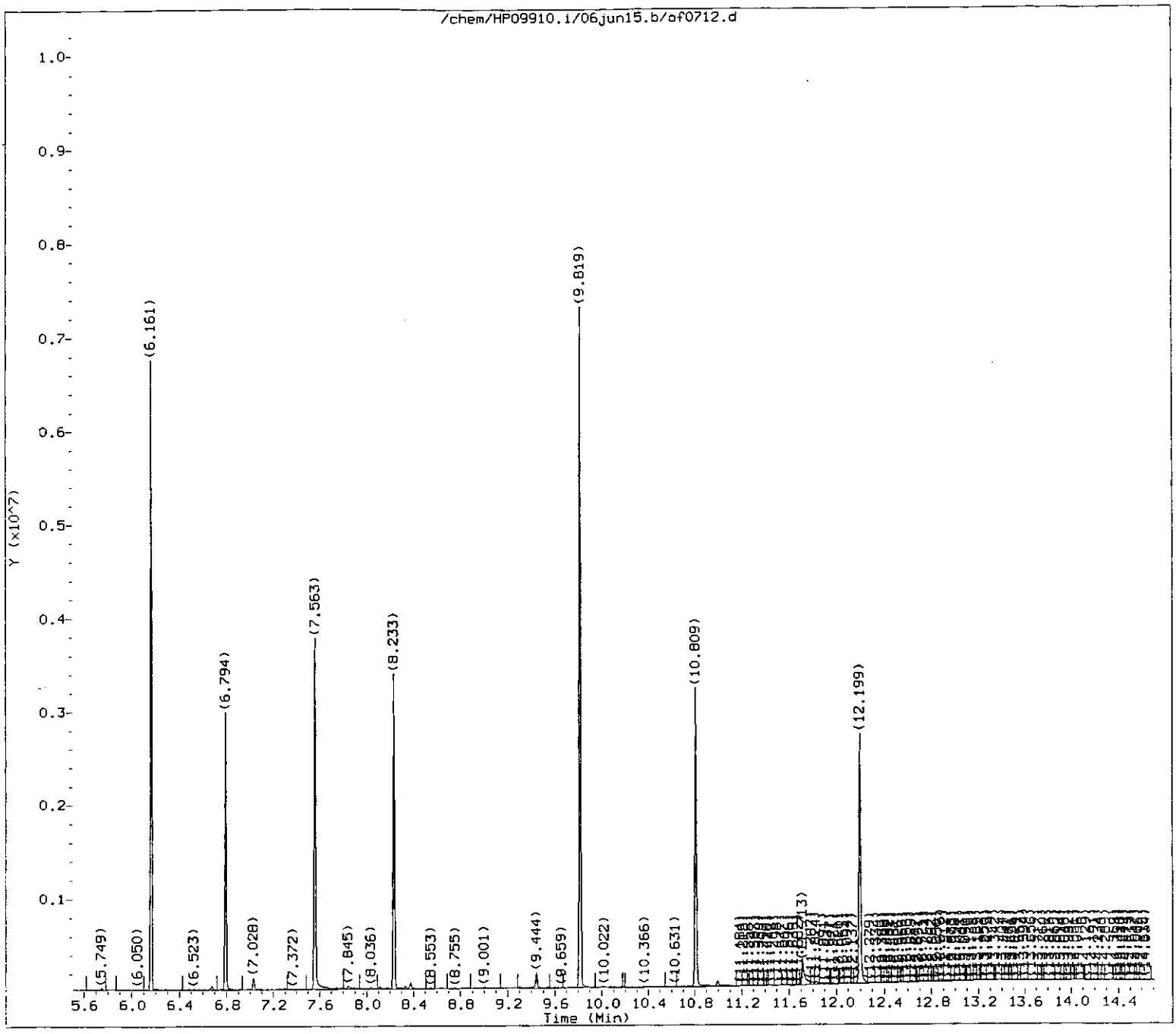
Data File: /chem/HP09910.i/06jun15.b/of0712.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 13:07 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 12:03
Date, time and analyst ID of latest file update: 15-Jun-2006 16:15 lmh00956

Sample Name: DB17- Lab Sample ID: 4791562

0348

lmh956
06/15/06



Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun15.b/of0712.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 13:07 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 12:03
Date, time and analyst ID of latest file update: 15-Jun-2006 16:15 lmh00956

Sample Name: DB17- Lab Sample ID: 4791562

#341

lmh 06/15/06

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun15.b/of0712.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 13:07 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 12:03
Date, time and analyst ID of latest file update: 15-Jun-2006 16:15 lmh00956

Sample Name: DB17- Lab Sample ID: 4791562

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
20) 1,4-Dichlorobenzene-d4	(1)	3.966	152	199232	40.000
47) Naphthalene-d8	(2)	5.115	136	806929	40.000
85) Acenaphthene-d10	(3)	6.794	164	472350	40.000
125) Phenanthrene-d10	(4)	8.233	188	950549	40.000
156) Chrysene-d12	(5)	10.809	240	979962	40.000
167) Perylene-d12	(6)	12.199	264	1006729	40.000
35) Nitrobenzene-d5	(2)	4.458	82	1098071	89.333
71) 2-Fluorobiphenyl	(3)	6.161	172	1551634	98.624
147) Terphenyl-d14	(5)	9.819	244	1994579	103.954

M = Compound was manually integrated. A = User selected an alternate hit

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OS2--

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791563

Sample wt/vol: 950 (g/mL)ML Lab File ID: of0688.d

Level: (low/med) LOW Date Received: 06/10/06

% Moisture: not dec: dec: Date Extracted: 06/12/06

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/15/06

Injection Volume: 1 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: Sepf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	LOQ UG/L	Q
541-73-1	1,3-Dichlorobenzene		5	U
106-46-7	1,4-Dichlorobenzene		5	U
95-50-1	1,2-Dichlorobenzene		5	U

6343

OS2--

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4791563

Data file: /chem/HP09910.i/06jun14a.b/of0688.d Blank Data file reference:/chem/HP09910.i/06jun14a.b/of0684.d
Injection date and time: 15-JUN-2006 05:21 Instrument ID: HP09910.i Batch: 06163WAA
Date, time and analyst ID of latest file update: 15-Jun-2006 09:13 rpb01568

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: **WTC8beacon**
Calibration date and time (Last Method Edit): 15-JUN-2006 08:56
Mid Level Daily Calibration Standard Reference: /chem/HP09910.i/06jun14a.b/of0674.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt/(Vo * Vi) Matrix: WATER GPC Cleanup: No

Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Volume Injected (Vi): 1 ul
Sample Volume (Vo): 950.0 ml Final Extract Volume (Vt): 1000 ul

Internal Standards	RT (+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ng/ul)	QC Flag
20) 1,4-Dichlorobenzene-d4	3.972(0.000)	373	152.0	187047(-3)	40.00	
47) Naphthalene-d8	5.122(0.000)	560	136.0	729070(-12)	40.00	
85) Acenaphthene-d10	6.800(0.006)	833	164.0	427233(-18)	40.00	
125) Phenanthrene-d10	8.239(0.006)	1067	188.0	872617(-21)	40.00	
156) Chrysene-d12	10.815(0.006)	1486	240.0	924951(-24)	40.00	
167) Perylene-d12	12.205(0.000)	1712	264.0	944977(-22)	40.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
35) Nitrobenzene-d5	(2)	4.464(0.000)	82	1016952	91.569	92%		51 - 123
71) 2-Fluorobiphenyl	(3)	6.167(-0.001)	172	1392410	97.849	98%		64 - 112
147) Terphenyl-d14	(5)	9.825(-0.001)	244	1782424	98.422	98%		52 - 151

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/ul)
19) 1,3-Dichlorobenzene	(1)				Below MDL, Do not report				1.00
21) 1,4-Dichlorobenzene	(1)				Below MDL, Do not report				1.00
25) 1,2-Dichlorobenzene	(1)				Below MDL, Do not report				1.00

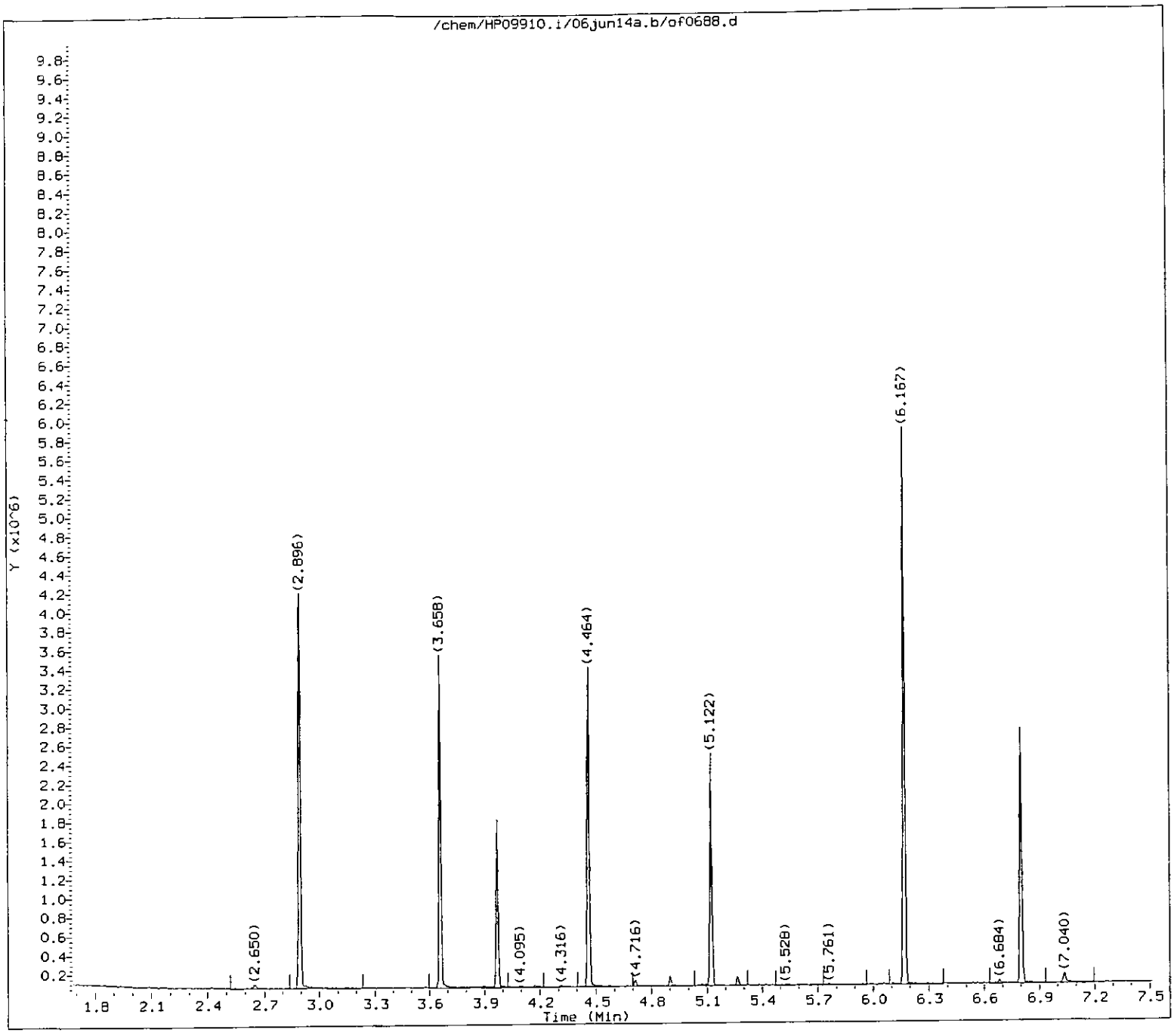
E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Total number of targets = 3

Comments:

Analyst: RBS Date: 6-15-06
Auditor: Date: 6/15/06

0344



Quant Report

Target Revision 3.5

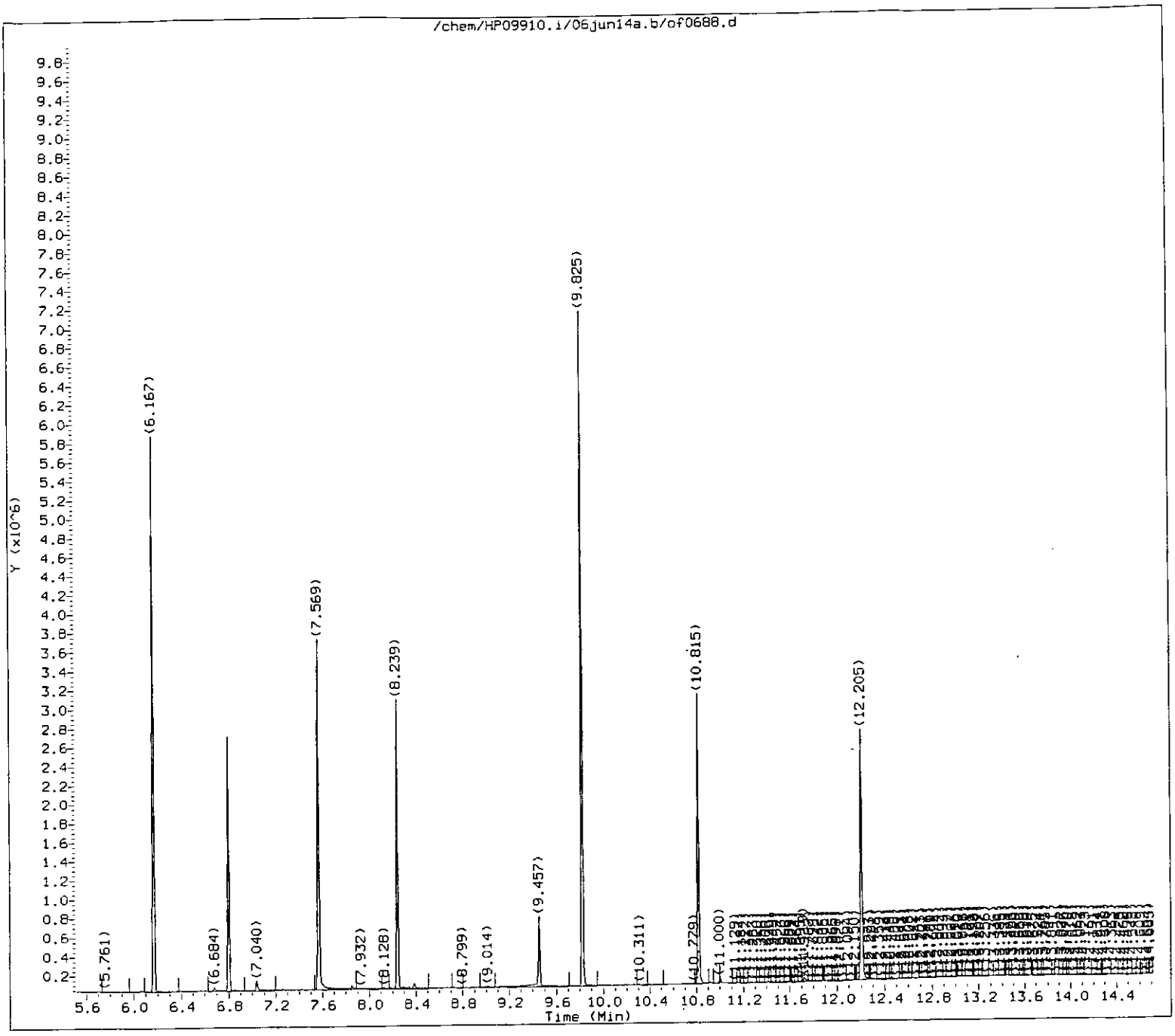
Data File: /chem/HP09910.i/06jun14a.b/of0688.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 05:21 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 08:56
Date, time and analyst ID of latest file update: 15-Jun-2006 09:13 rpb01568

Sample Name: OS2-- Lab Sample ID: 4791563

0345

B1528
6-15-06



Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0688.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 05:21 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 08:56
Date, time and analyst ID of latest file update: 15-Jun-2006 09:13 rpb01568

Sample Name: OS2-- Lab Sample ID: 4791563

0346

R 6128 6-15-06

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0688.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 05:21 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 08:56
Date, time and analyst ID of latest file update: 15-Jun-2006 09:13 rpb01568

Sample Name: OS2-- Lab Sample ID: 4791563

	Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
20)	1,4-Dichlorobenzene-d4	(1)	3.972	152	187047	40.000
47)	Naphthalene-d8	(2)	5.122	136	729070	40.000
85)	Acenaphthene-d10	(3)	6.800	164	427233	40.000
125)	Phenanthrene-d10	(4)	8.239	188	872617	40.000
156)	Chrysene-d12	(5)	10.815	240	924951	40.000
167)	Perylene-d12	(6)	12.205	264	944977	40.000
35)	Nitrobenzene-d5	(2)	4.464	82	1016952	91.569
71)	2-Fluorobiphenyl	(3)	6.167	172	1392410	97.849
147)	Terphenyl-d14	(5)	9.825	244	1782424	98.422

M = Compound was manually integrated. A = User selected an alternate hit

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OR2--

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791568

Sample wt/vol: 983 (g/mL)ML Lab File ID: of0713.d

Level: (low/med) LOW Date Received: 06/10/06

% Moisture: not dec: dec: Date Extracted: 06/12/06

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/15/06

Injection Volume: 1 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: Sepf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	LOQ	UG/L	Q
541-73-1	1,3-Dichlorobenzene			5	U
106-46-7	1,4-Dichlorobenzene			5	U
95-50-1	1,2-Dichlorobenzene			5	U

0348

OR2--

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4791568

Data file: /chem/HP09910.i/06jun15.b/of0713.d Blank Data file reference:**/chem/HP09910.i/06jun14a.b/of0684.d**
Injection date and time: 15-JUN-2006 13:29 Instrument ID: HP09910.i Batch: 06163WAA
Date, time and analyst ID of latest file update: 15-Jun-2006 16:15 lmh00956

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: **WTC8beacon**
Calibration date and time (Last Method Edit): 15-JUN-2006 12:03
Mid Level Daily Calibration Standard Reference: /chem/HP09910.i/06jun15.b/of0702.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt/(Vo * Vi) Matrix: WATER GPC Cleanup: No

Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Volume Injected (Vi): 1 ul
Sample Volume (Vo): 983.0 ml Final Extract Volume (Vt): 1000 ul

Internal Standards	RT (+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ng/ul)	QC Flag
20) 1,4-Dichlorobenzene-d4	3.966(0.000)	372	152.0	183412(-24)	40.00	
47) Naphthalene-d8	5.116(0.000)	559	136.0	751770(-27)	40.00	
85) Acenaphthene-d10	6.794(0.000)	832	164.0	460725(-26)	40.00	
125) Phenanthrene-d10	8.233(0.000)	1066	188.0	925191(-26)	40.00	
156) Chrysene-d12	10.809(0.000)	1485	240.0	969667(-24)	40.00	
167) Perylene-d12	12.193(0.006)	1710	264.0	1012752(-15)	40.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
35) Nitrobenzene-d5	(2)	4.458(0.000)	82	1067577	93.225	93%		51 - 123
71) 2-Fluorobiphenyl	(3)	6.161(0.000)	172	1518698	98.966	99%		64 - 112
147) Terphenyl-d14	(5)	9.819(0.000)	244	2087752	109.965	110%		52 - 151

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/ul)
19) 1,3-Dichlorobenzene	(1)			Below MDL, Do not report					1.00
21) 1,4-Dichlorobenzene	(1)			Below MDL, Do not report					1.00
25) 1,2-Dichlorobenzene	(1)			Below MDL, Do not report					1.00

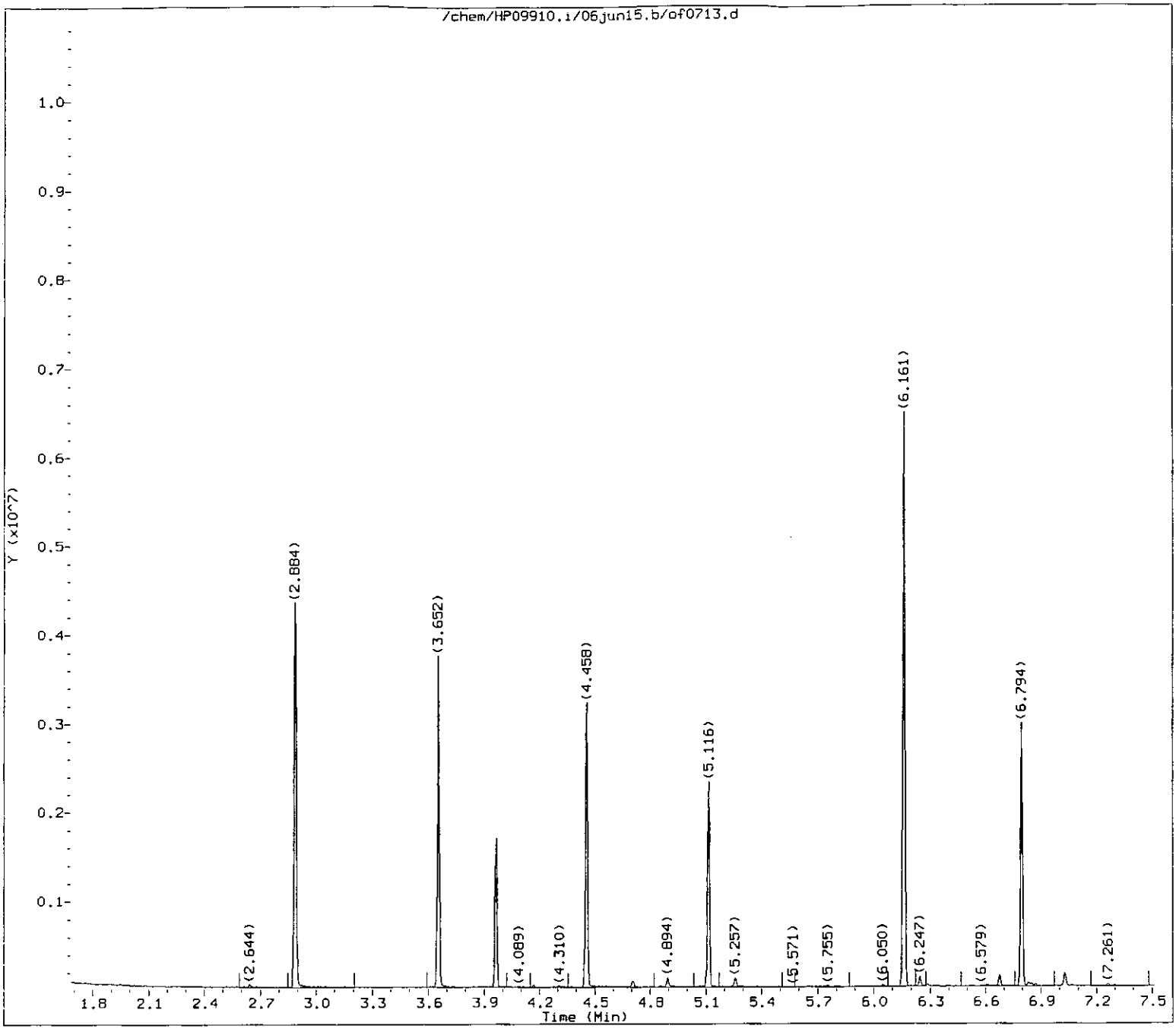
E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Total number of targets = 3

Comments: #297

Analyst: [signature] Date: 06/15/06
Auditor: [signature] Date: 6/16/06

0349



Quant Report

Target Revision 3.5

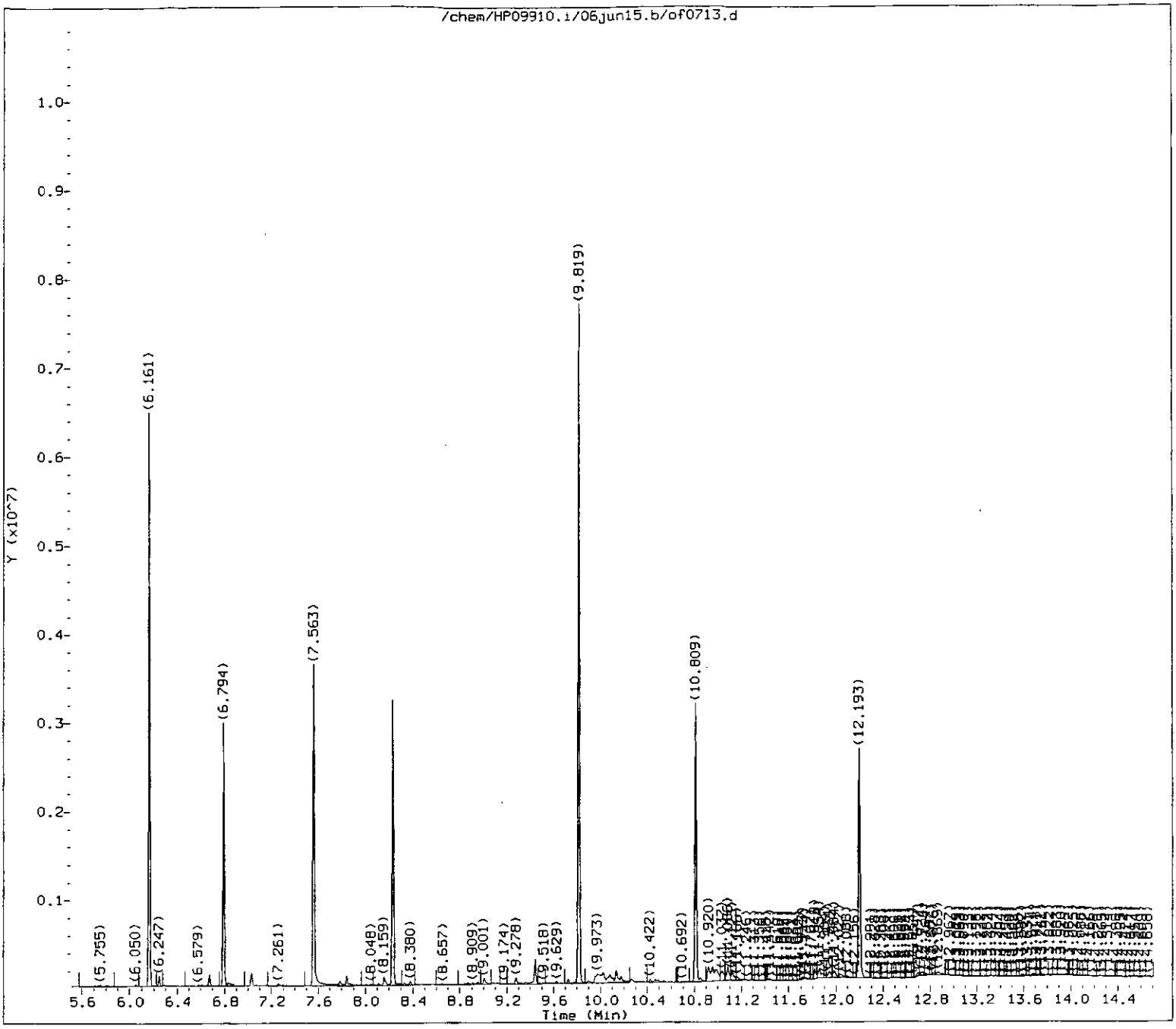
Data File: /chem/HP09910.i/06jun15.b/of0713.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 13:29 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 12:03
Date, time and analyst ID of latest file update: 15-Jun-2006 16:15 lmh00956

Sample Name: OR2-- Lab Sample ID: 4791568

0358

lmh195
06/15/06



Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun15.b/of0713.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 13:29 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 12:03
Date, time and analyst ID of latest file update: 15-Jun-2006 16:15 lmh00956

Sample Name: OR2-- Lab Sample ID: 4791568

0351

lmh 6/15/06

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun15.b/of0713.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 13:29 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 12:03
Date, time and analyst ID of latest file update: 15-Jun-2006 16:15 lmh00956

Sample Name: OR2-- Lab Sample ID: 4791568

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
20) 1,4-Dichlorobenzene-d4	(1)	3.966	152	183412	40.000
47) Naphthalene-d8	(2)	5.116	136	751770	40.000
85) Acenaphthene-d10	(3)	6.794	164	460725	40.000
125) Phenanthrene-d10	(4)	8.233	188	925191	40.000
156) Chrysene-d12	(5)	10.809	240	969667	40.000
167) Perylene-d12	(6)	12.193	264	1012752	40.000
35) Nitrobenzene-d5	(2)	4.458	82	1067577	93.225
71) 2-Fluorobiphenyl	(3)	6.161	172	1518698	98.966
147) Terphenyl-d14	(5)	9.819	244	2087752	109.965

M = Compound was manually integrated. A = User selected an alternate hit

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

OS3--

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791569

Sample wt/vol: 976 (g/mL)ML Lab File ID: of0714.d

Level: (low/med) LOW Date Received: 06/10/06

% Moisture: not dec: dec: Date Extracted: 06/12/06

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/15/06

Injection Volume: 1 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: Sepf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	LOQ	UG/L	Q
541-73-1	1,3-Dichlorobenzene			5	U
106-46-7	1,4-Dichlorobenzene			5	U
95-50-1	1,2-Dichlorobenzene			5	U

0353

OS3--

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4791569

Data file: /chem/HP09910.i/06jun15.b/of0714.d Blank Data file reference:**/chem/HP09910.i/06jun14a.b/of0684.d**
Injection date and time: 15-JUN-2006 13:52 Instrument ID: HP09910.i Batch: 06163WAA
Date, time and analyst ID of latest file update: 15-Jun-2006 16:15 lmh00956

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: **WTC8beacon**
Calibration date and time (Last Method Edit): 15-JUN-2006 12:03
Mid Level Daily Calibration Standard Reference: /chem/HP09910.i/06jun15.b/of0702.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt/(Vo * Vi) Matrix: WATER GPC Cleanup: No

Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Volume Injected (Vi): 1 ul
Sample Volume (Vo): 976.0 ml Final Extract Volume (Vt): 1000 ul

Internal Standards	RT (+/-RT)	Scan	QIon	Area (+/- %Area)	Conc (ng/ul)	QC Flag
20) 1,4-Dichlorobenzene-d4	3.966(0.000)	372	152.0	186469(-23)	40.00	
47) Naphthalene-d8	5.116(0.000)	559	136.0	759697(-26)	40.00	
85) Acenaphthene-d10	6.794(0.000)	832	164.0	462032(-26)	40.00	
125) Phenanthrene-d10	8.233(0.000)	1066	188.0	937972(-25)	40.00	
156) Chrysene-d12	10.809(0.000)	1485	240.0	1017688(-20)	40.00	
167) Perylene-d12	12.199(0.000)	1711	264.0	1009320(-16)	40.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
35) Nitrobenzene-d5	(2)	4.458(0.000)	82	1089804	94.173	94%		51 - 123
71) 2-Fluorobiphenyl	(3)	6.161(0.000)	172	1564325	101.651	102%		64 - 112
147) Terphenyl-d14	(5)	9.819(0.000)	244	2181488	109.481	109%		52 - 151

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/ul)
19) 1,3-Dichlorobenzene	(1)			Below MDL, Do not report					1.00
21) 1,4-Dichlorobenzene	(1)			Below MDL, Do not report					1.00
25) 1,2-Dichlorobenzene	(1)			Below MDL, Do not report					1.00

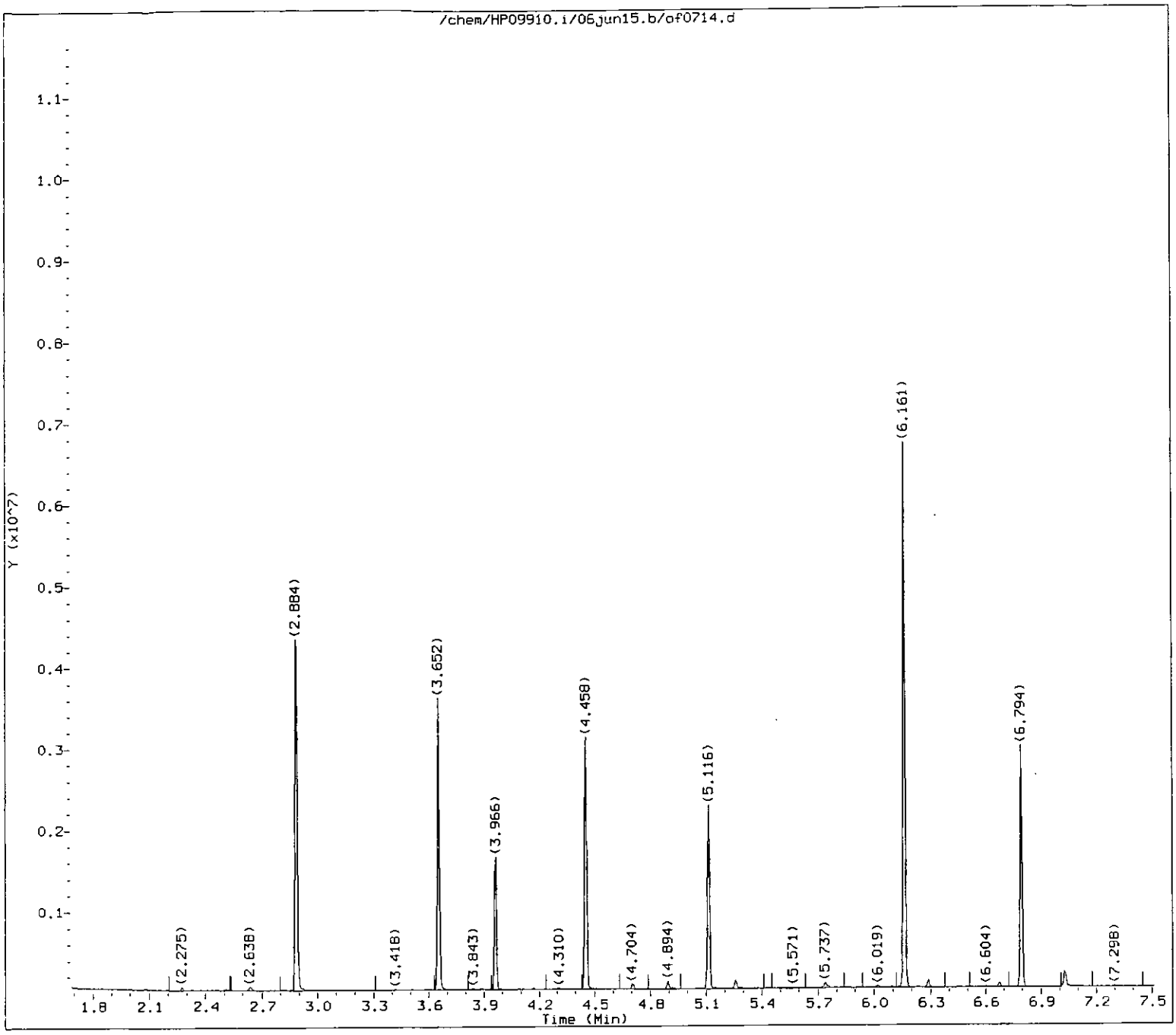
E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Total number of targets = 3

Comments: #247

Analyst: [signature] Date: 6/15/06
Auditor: [signature] Date: 6/19/06

9354



Quant Report

Target Revision 3.5

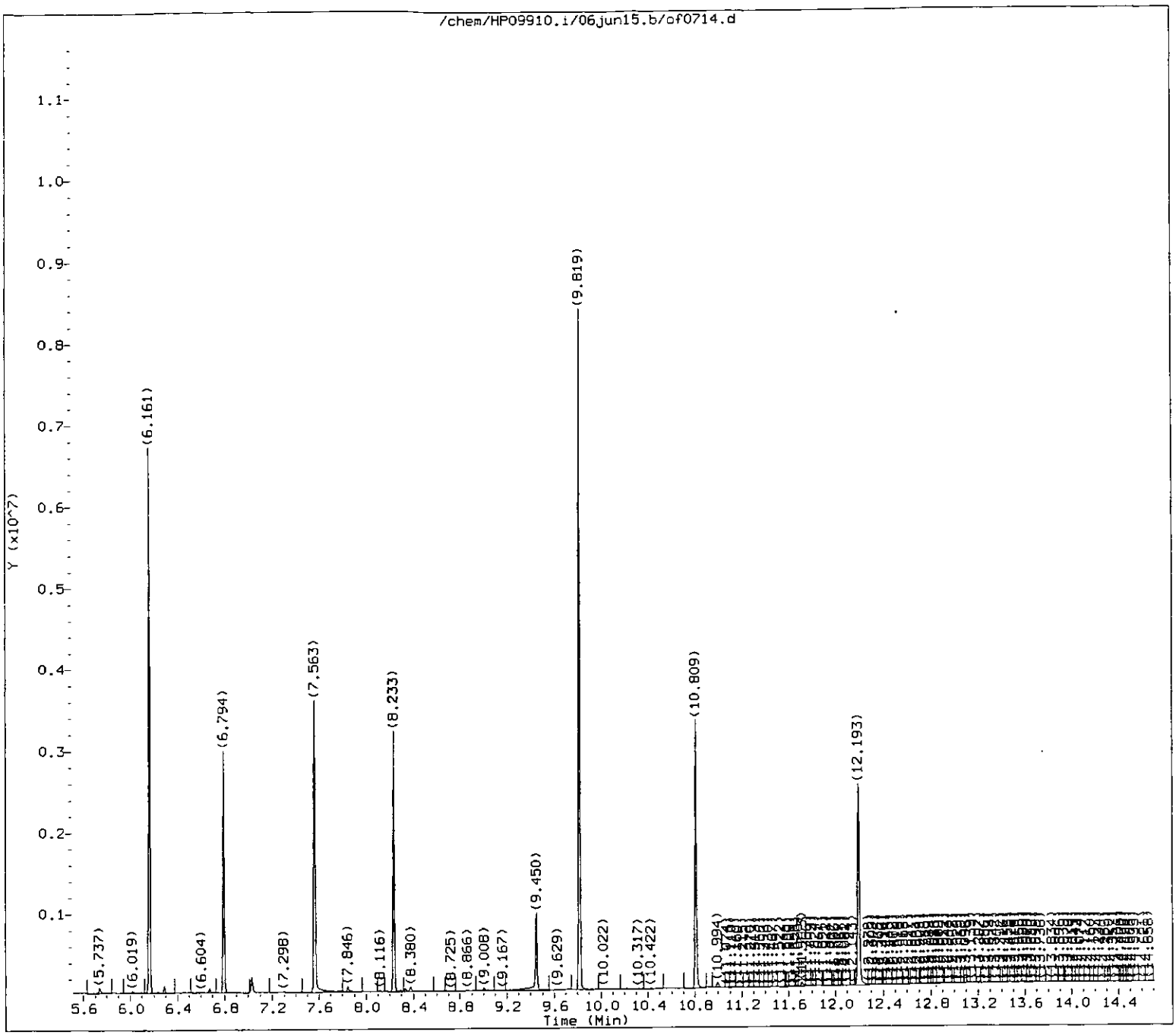
Data File: /chem/HP09910.i/06jun15.b/of0714.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 13:52 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 12:03
Date, time and analyst ID of latest file update: 15-Jun-2006 16:15 lmh00956

Sample Name: OS3-- Lab Sample ID: 4791569

8355

06/15/06



Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun15.b/of0714.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 13:52 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 12:03
Date, time and analyst ID of latest file update: 15-Jun-2006 16:15 lmh00956

Sample Name: OS3-- Lab Sample ID: 4791569

0356

lmh 6/15/06

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun15.b/of0714.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 13:52 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 12:03
Date, time and analyst ID of latest file update: 15-Jun-2006 16:15 lmh00956

Sample Name: OS3-- Lab Sample ID: 4791569

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
20) 1,4-Dichlorobenzene-d4	(1)	3.966	152	186469	40.000
47) Naphthalene-d8	(2)	5.116	136	759697	40.000
85) Acenaphthene-d10	(3)	6.794	164	462032	40.000
125) Phenanthrene-d10	(4)	8.233	188	937972	40.000
156) Chrysene-d12	(5)	10.809	240	1017688	40.000
167) Perylene-d12	(6)	12.199	264	1009320	40.000
35) Nitrobenzene-d5	(2)	4.458	82	1089804	94.173
71) 2-Fluorobiphenyl	(3)	6.161	172	1564325	101.651
147) Terphenyl-d14	(5)	9.819	244	2181488	109.481

M = Compound was manually integrated. A = User selected an alternate hit

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OR3--

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791570

Sample wt/vol: 954 (g/mL)ML Lab File ID: of0715.d

Level: (low/med) LOW Date Received: 06/10/06

% Moisture: not dec: dec: Date Extracted: 06/12/06

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/15/06

Injection Volume: 1 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: Sepf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	LOQ	UG/L	Q
541-73-1	1,3-Dichlorobenzene			5	U
106-46-7	1,4-Dichlorobenzene			5	U
95-50-1	1,2-Dichlorobenzene			5	U

0350

OR3 - -

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4791570

Data file: /chem/HP09910.i/06jun15.b/of0715.d Blank Data file reference:**/chem/HP09910.i/06jun14a.b/of0684.d**
Injection date and time: 15-JUN-2006 14:14 Instrument ID: HP09910.i Batch: 06163WAA
Date, time and analyst ID of latest file update: 15-Jun-2006 16:16 lmh00956

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: **WTC8beacon**
Calibration date and time (Last Method Edit): 15-JUN-2006 12:03
Mid Level Daily Calibration Standard Reference: /chem/HP09910.i/06jun15.b/of0702.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt/(Vo * Vi) Matrix: WATER GPC Cleanup: No

Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Volume Injected (Vi): 1 ul
Sample Volume (Vo): 954.0 ml Final Extract Volume (Vt): 1000 ul

Internal Standards	RT (+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ng/ul)	QC Flag
20) 1,4-Dichlorobenzene-d4	3.966(0.000)	372	152.0	193826(-20)	40.00	
47) Naphthalene-d8	5.116(0.000)	559	136.0	792724(-23)	40.00	
85) Acenaphthene-d10	6.794(0.000)	832	164.0	472923(-24)	40.00	
125) Phenanthrene-d10	8.233(0.000)	1066	188.0	957435(-23)	40.00	
156) Chrysene-d12	10.809(0.000)	1485	240.0	983364(-23)	40.00	
167) Perylene-d12	12.199(0.000)	1711	264.0	981067(-18)	40.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
35) Nitrobenzene-d5	(2)	4.458(0.000)	82	1094570	90.644	91%		51 - 123
71) 2-Fluorobiphenyl	(3)	6.161(0.000)	172	1529168	97.078	97%		64 - 112
147) Terphenyl-d14	(5)	9.819(0.000)	244	2138812	111.085	111%		52 - 151

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/ul)
19) 1,3-Dichlorobenzene	(1)			Below MDL, Do not report					1.00
21) 1,4-Dichlorobenzene	(1)			Below MDL, Do not report					1.00
25) 1,2-Dichlorobenzene	(1)			Below MDL, Do not report					1.00

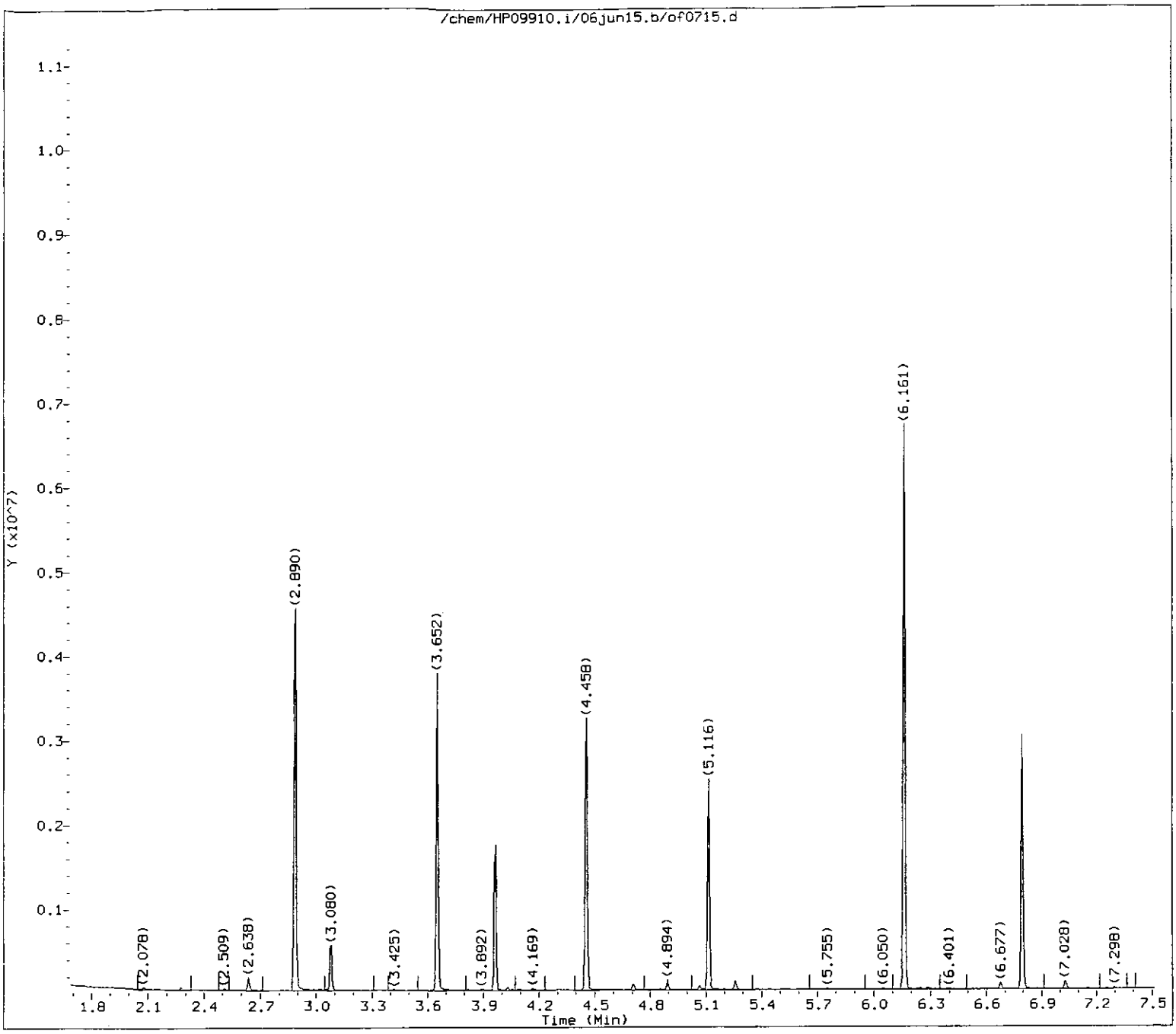
E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Total number of targets = 3

Comments: #27

Analyst: [signature] Date: 6/15/06
Auditor: KMM 713 Date: 6/19/06

0359



Quant Report

Target Revision 3.5

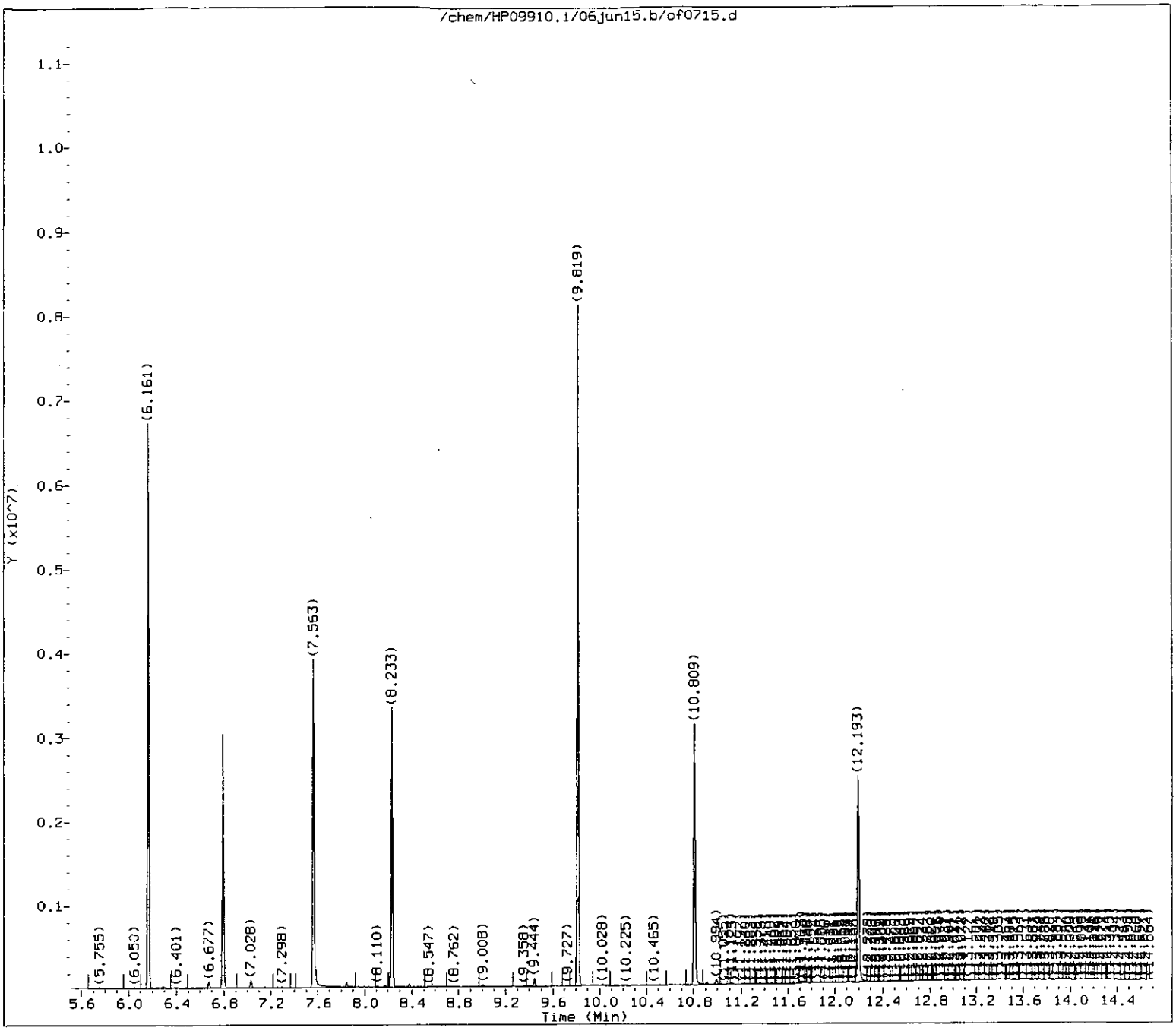
Data File: /chem/HP09910.i/06jun15.b/of0715.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 14:14 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 12:03
Date, time and analyst ID of latest file update: 15-Jun-2006 16:16 lmh00956

Sample Name: OR3-- Lab Sample ID: 4791570

0360

lmh RPB 06/15/06



Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun15.b/of0715.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 14:14 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 12:03
Date, time and analyst ID of latest file update: 15-Jun-2006 16:16 lmh00956

Sample Name: OR3-- Lab Sample ID: 4791570

0361

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun15.b/of0715.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 14:14 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 12:03
Date, time and analyst ID of latest file update: 15-Jun-2006 16:16 lmh00956

Sample Name: OR3-- Lab Sample ID: 4791570

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
20) 1,4-Dichlorobenzene-d4	(1)	3.966	152	193826	40.000
47) Naphthalene-d8	(2)	5.116	136	792724	40.000
85) Acenaphthene-d10	(3)	6.794	164	472923	40.000
125) Phenanthrene-d10	(4)	8.233	188	957435	40.000
156) Chrysene-d12	(5)	10.809	240	983364	40.000
167) Perylene-d12	(6)	12.199	264	981067	40.000
35) Nitrobenzene-d5	(2)	4.458	82	1094570	90.644
71) 2-Fluorobiphenyl	(3)	6.161	172	1529168	97.078
147) Terphenyl-d14	(5)	9.819	244	2138812	111.085

M = Compound was manually integrated. A = User selected an alternate hit

Standards Data

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Instrument ID: HP09910 Calibration Date(s): 06/14/06 06/15/06

Calibration Times: 23:13 01:39

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30%

LAB FILE ID: RRF5 = of0677.d RRF15 = of0676.d RRF30 = of0675.d
RRF50 = of0674.d RRF80 = of0671.d RRF120 = of0673.d

	COMPOUND	RRF5	RRF15	RRF30	RRF50	RRF80	RRF120	RRF	$\overline{RRF}$	% RSD	CAL. METHOD
	1,4-Dioxane								0.000	0	AVG
	N-Nitrosodimethylamine	1.343	1.553	1.641	1.769	1.730	1.675		1.619	10	AVG
	Pyridine	2.399	2.769	2.989	2.936	3.039	2.786		2.820	8	AVG
	2-Picoline	2.405	2.755	2.581	2.754	2.750	2.674		2.653	5	AVG
*	Phenol	3.027	3.531	3.504	3.634	3.523	3.563		3.464	6	AVG
	Aniline	3.736	4.125	4.140	4.181	4.175	4.178		4.089	4	AVG
	bis(2-Chloroethyl)ether	2.281	2.552	2.473	2.497	2.517	2.461		2.463	4	AVG
	2-Chlorophenol	1.325	1.507	1.531	1.559	1.540	1.506		1.495	6	AVG
	1,3-Dichlorobenzene	1.485	1.620	1.571	1.550	1.568	1.543		1.556	3	AVG
	1,4-Dichlorobenzene	1.565	1.604	1.611	1.628	1.622	1.585		1.602	1	AVG
*	Benzyl alcohol	1.325	1.461	1.503	1.616	1.597	1.563		1.511	7	AVG
	1,2-Dichlorobenzene	1.407	1.581	1.548	1.563	1.526	1.522		1.524	4	AVG
	2-Methylphenol	1.875	2.183	2.145	2.165	2.129	2.149		2.108	5	AVG
	2,2'-oxybis(1-Chloropropane)	1.713	1.860	1.841	1.840	1.873	1.819		1.824	3	AVG
	bis(2-Chloroisopropyl)ether	1.713	1.860	1.841	1.840	1.873	1.819		1.824	3	AVG
	Acetophenone	2.742	3.111	3.116	3.159	3.076	3.111		3.052	5	AVG
#	N-Nitroso-di-n-propylamine	1.845	2.138	2.023	2.060	2.021	1.998		2.014	5	AVG
	4-Methylphenol	2.079	2.435	2.443	2.487	2.445	2.429		2.386	6	AVG
	o-Toluidine	3.170	3.614	3.460	3.592	3.532	3.544		3.485	5	AVG
	Hexachloroethane	0.630	0.671	0.707	0.699	0.709	0.695		0.685	4	AVG
	Nitrobenzene	0.601	0.672	0.642	0.656	0.654	0.645		0.645	4	AVG
	Isophorone	1.183	1.320	1.265	1.306	1.307	1.287		1.278	4	AVG
*	2-Nitrophenol	0.123	0.155	0.159	0.159	0.159	0.158		0.152	10	AVG
	2,4-Dimethylphenol	0.448	0.537	0.512	0.528	0.533	0.519		0.513	6	AVG
	bis(2-Chloroethoxy)methane	0.597	0.678	0.622	0.632	0.657	0.652		0.640	4	AVG
	Benzoic acid	0.243	0.304	0.303	0.327	0.345	0.358		0.313	13	AVG
*	2,4-Dichlorophenol	0.257	0.279	0.269	0.285	0.283	0.287		0.277	4	AVG
	1,2,4-Trichlorobenzene	0.294	0.333	0.311	0.304	0.311	0.305		0.310	4	AVG
	Naphthalene	1.081	1.174	1.142	1.141	1.158	1.144		1.140	3	AVG
	4-Chloroaniline	0.439	0.496	0.478	0.484	0.486	0.477		0.477	4	AVG
	2,6-Dichlorophenol	0.245	0.259	0.263	0.265	0.263	0.268		0.261	3	AVG
*	Hexachlorobutadiene	0.164	0.187	0.178	0.178	0.183	0.174		0.177	4	AVG
	Quinoline	0.708	0.770	0.745	0.779	0.757	0.762		0.753	3	AVG
	Caprolactam	0.158	0.190	0.188	0.190	0.180	0.186		0.182	7	AVG
*	4-Chloro-3-methylphenol	0.376	0.450	0.447	0.466	0.462	0.470		0.445	8	AVG
	2-Methylnaphthalene	0.681	0.755	0.736	0.762	0.754	0.744		0.739	4	AVG
	1-Methylnaphthalene	0.639	0.698	0.669	0.687	0.703	0.686		0.680	3	AVG
#	Hexachlorocyclopentadiene	0.176	0.232	0.241	0.250	0.285	0.265		0.241	15	1STDEG
	1,2,4,5-Tetrachlorobenzene	0.481	0.526	0.529	0.515	0.549	0.520		0.520	4	AVG
*	2,4,6-Trichlorophenol	0.264	0.291	0.305	0.307	0.318	0.308		0.299	6	AVG
	2,4,5-Trichlorophenol	0.359	0.363	0.372	0.370	0.387	0.386		0.373	3	AVG
	Biphenyl	1.450	1.563	1.561	1.523	1.568	1.519		1.531	3	AVG
	Diphenyl	1.450	1.563	1.561	1.523	1.568	1.519		1.531	3	AVG
	1,1'-Biphenyl	1.450	1.563	1.561	1.523	1.568	1.519		1.531	3	AVG
	2-Chloronaphthalene	1.378	1.476	1.268	1.255	1.199	1.435		1.335	8	AVG
	1-Chloronaphthalene	1.008	1.139	1.095	1.083	1.215	1.093		1.106	6	AVG
	Diphenyl ether	0.802	0.835	0.824	0.825	0.847	0.823		0.826	2	AVG
	2-Nitroaniline	0.334	0.391	0.400	0.408	0.419	0.417		0.395	8	AVG
	Dimethylphthalate	1.214	1.347	1.341	1.343	1.378	1.357		1.330	4	AVG
	2,6-Dinitrotoluene	0.263	0.288	0.297	0.307	0.309	0.309		0.296	6	AVG
	Acenaphthylene	1.670	1.864	1.891	1.878	1.929	1.896		1.855	5	AVG
	3-Nitroaniline	0.268	0.341	0.368	0.359	0.363	0.360		0.343	11	AVG

NOT VALID : Hexachlorocyclopentadiene

FORM VI SV-1

0354

KR 8152
6-15-06

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Instrument ID: HP09910 Calibration Date(s): 06/14/06 06/15/06

Calibration Times: 23:13 01:39

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30%

LAB FILE ID: RRF5 = of0677.d RRF15 = of0676.d RRF30 = of0675.d
RRF50 = of0674.d RRF80 = of0671.d RRF120 = of0673.d

	COMPOUND	RRF5	RRF15	RRF30	RRF50	RRF80	RRF120	RRF	$\overline{RRF}$	% RSD	CAL. METHOD	
	Acenaphthene	1.097	1.213	1.199	1.177	1.241	1.218		1.191	4	AVG	*
#	2,4-Dinitrophenol	0.064	0.079	0.088	0.097	0.117	0.116		0.093	22	1STDEG	#
	Pentachlorobenzene	0.512	0.533	0.524	0.531	0.532	0.525		0.526	2	AVG	
#	4-Nitrophenol	0.205	0.255	0.252	0.259	0.248	0.255		0.246	8	AVG	#
	Dibenzofuran	1.723	1.851	1.787	1.817	1.869	1.839		1.814	3	AVG	
	2,4-Dinitrotoluene	0.264	0.357	0.376	0.392	0.394	0.395		0.363	14	AVG	
	1-Naphthylamine	0.900	1.237	1.259	1.245	1.214	1.233		1.181	12	AVG	
	2,3,4,6-Tetrachlorophenol	0.200	0.239	0.235	0.250	0.269	0.264		0.243	10	AVG	
	2-Naphthylamine	1.065	1.288	1.281	1.253	1.271	1.276		1.239	7	AVG	
	Diethylphthalate	1.210	1.387	1.370	1.421	1.440	1.423		1.375	6	AVG	
	Fluorene	1.330	1.466	1.436	1.475	1.511	1.497		1.453	4	AVG	
	4-Chlorophenyl-phenylether	0.669	0.714	0.709	0.696	0.720	0.702		0.702	3	AVG	
	4-Nitroaniline	0.334	0.395	0.410	0.418	0.401	0.406		0.394	8	AVG	
	4,6-Dinitro-2-methylphenol	0.047	0.058	0.063	0.075	0.083	0.082		0.068	21	1STDEG	
*	N-Nitrosodiphenylamine (1)	0.481	0.524	0.519	0.511	0.527	0.515		0.513	3	AVG	*
	1,2-Diphenylhydrazine	1.019	1.134	1.133	1.116	1.180	1.140		1.121	5	AVG	
	Phorate	0.584	0.661	0.664	0.661	0.699	0.655		0.654	6	AVG	
	4-Bromophenyl-phenylether	0.181	0.207	0.188	0.191	0.203	0.193		0.194	5	AVG	
	Hexachlorobenzene	0.218	0.232	0.231	0.224	0.229	0.223		0.226	2	AVG	
*	Pentachlorophenol	0.078	0.093	0.096	0.104	0.113	0.111		0.099	13	AVG	*
	Phenanthrene	0.957	1.069	1.042	1.054	1.059	1.045		1.038	4	AVG	
	Dinoseb	0.049	0.069	0.085	0.103	0.121	0.119		0.091	32	1STDEG	
	Anthracene	0.948	1.106	1.098	1.085	1.100	1.093		1.072	6	AVG	
	Carbazole	0.930	1.053	1.077	1.059	1.063	1.057		1.040	5	AVG	
	Methyl parathion	0.200	0.267	0.264	0.258	0.270	0.242		0.250	11	AVG	
	Ronnel	0.236	0.281	0.265	0.259	0.270	0.249		0.260	6	AVG	
	Di-n-butylphthalate	0.996	1.141	1.161	1.190	1.234	1.197		1.153	7	AVG	
	Parathion	0.128	0.173	0.177	0.184	0.189	0.185		0.173	13	AVG	
*	Fluoranthene	1.122	1.318	1.316	1.317	1.298	1.316		1.281	6	AVG	*
	Benzidine	0.439	0.621	0.617	0.627	0.610	0.585		0.583	12	AVG	
	Pyrene	1.021	1.202	1.183	1.228	1.272	1.236		1.190	7	AVG	
	Butylbenzylphthalate	0.426	0.496	0.497	0.509	0.536	0.520		0.497	8	AVG	
	3,3'-Dichlorobenzidine	0.387	0.448	0.453	0.457	0.459	0.454		0.443	6	AVG	
	Benzo(a)anthracene	1.063	1.175	1.133	1.160	1.201	1.179		1.152	4	AVG	
	Hexabromobenzene	0.008	0.008	0.010	0.010	0.011	0.011		0.010	14	AVG	
	4,4'-Methylenebis(2-Chloroanil	0.198	0.215	0.219	0.227	0.229	0.221		0.218	5	AVG	
	Chrysene	1.030	1.152	1.109	1.144	1.148	1.134		1.119	4	AVG	
	bis(2-Ethylhexyl)phthalate	0.594	0.661	0.663	0.701	0.763	0.724		0.684	9	AVG	
	6-Methylchrysene	0.761	0.835	0.824	0.838	0.862	0.856		0.830	4	AVG	
*	Di-n-octylphthalate	0.932	1.142	1.173	1.234	1.320	1.309		1.185	12	AVG	*
	7,12-Dimethylbenz[a]anthracene	0.380	0.598	0.583	0.598	0.621	0.607		0.565	16	1STDEG	
	Benzo(b)fluoranthene	1.055	1.219	1.279	1.275	1.380	1.263		1.245	9	AVG	
	Benzo(k)fluoranthene	1.164	1.384	1.311	1.356	1.310	1.405		1.322	7	AVG	
*	Benzo(a)pyrene	1.053	1.212	1.191	1.215	1.244	1.241		1.193	6	AVG	*
	3-Methylcholanthrene	0.571	0.677	0.669	0.683	0.700	0.691		0.665	7	AVG	
	Dibenz(a,h)acridine	0.766	0.962	0.995	1.033	1.074	1.081		0.985	12	AVG	
	Dibenz(a,j)acridine	1.001	1.200	1.155	1.181	1.184	1.158		1.146	6	AVG	
	Indeno(1,2,3-cd)pyrene	1.165	1.375	1.364	1.411	1.414	1.412		1.357	7	AVG	
	Dibenz(a,h)anthracene	0.923	1.098	1.088	1.107	1.128	1.116		1.077	7	AVG	
	Benzo(g,h,i)perylene	1.008	1.198	1.144	1.176	1.193	1.196		1.152	6	AVG	
	2-Fluorophenol	1.657	1.761	1.827	1.825	1.796	1.809		1.779	4	AVG	
	Phenol-d5	2.629	3.041	2.974	3.070	3.013	3.025		2.959	6	AVG	

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Instrument ID: HP09910 Calibration Date(s): 06/14/06 06/15/06

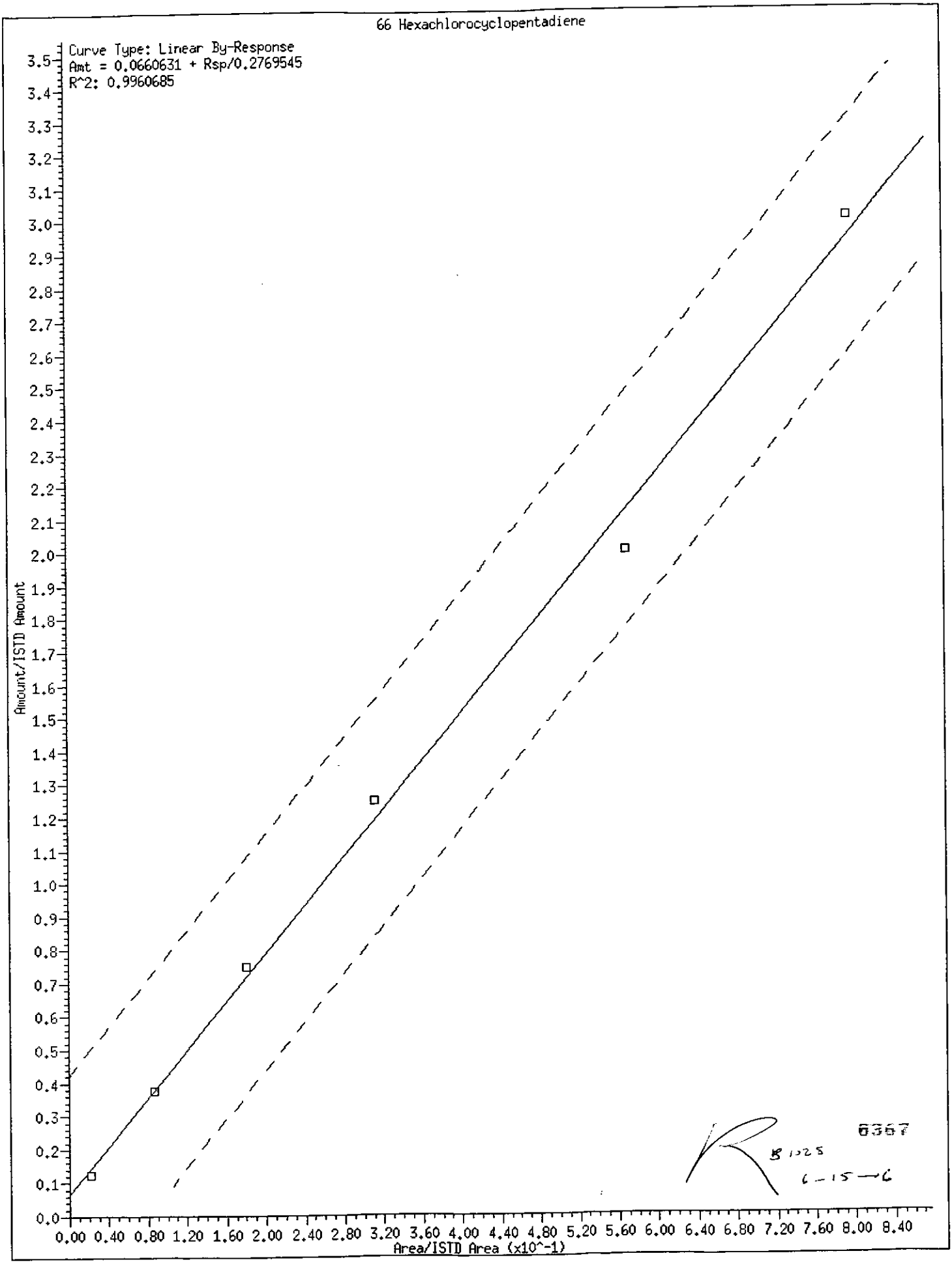
Calibration Times: 23:13 01:39

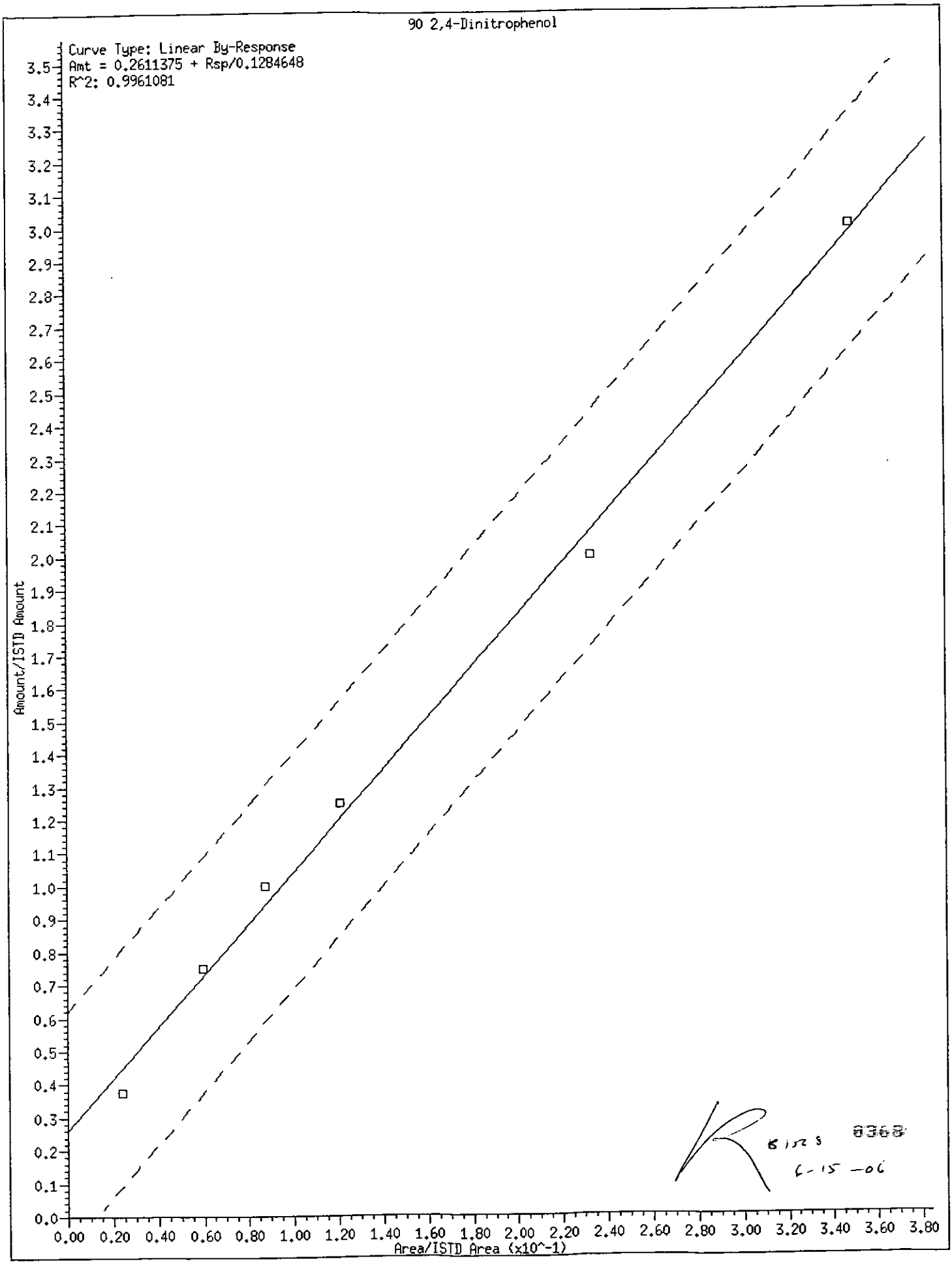
Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30%

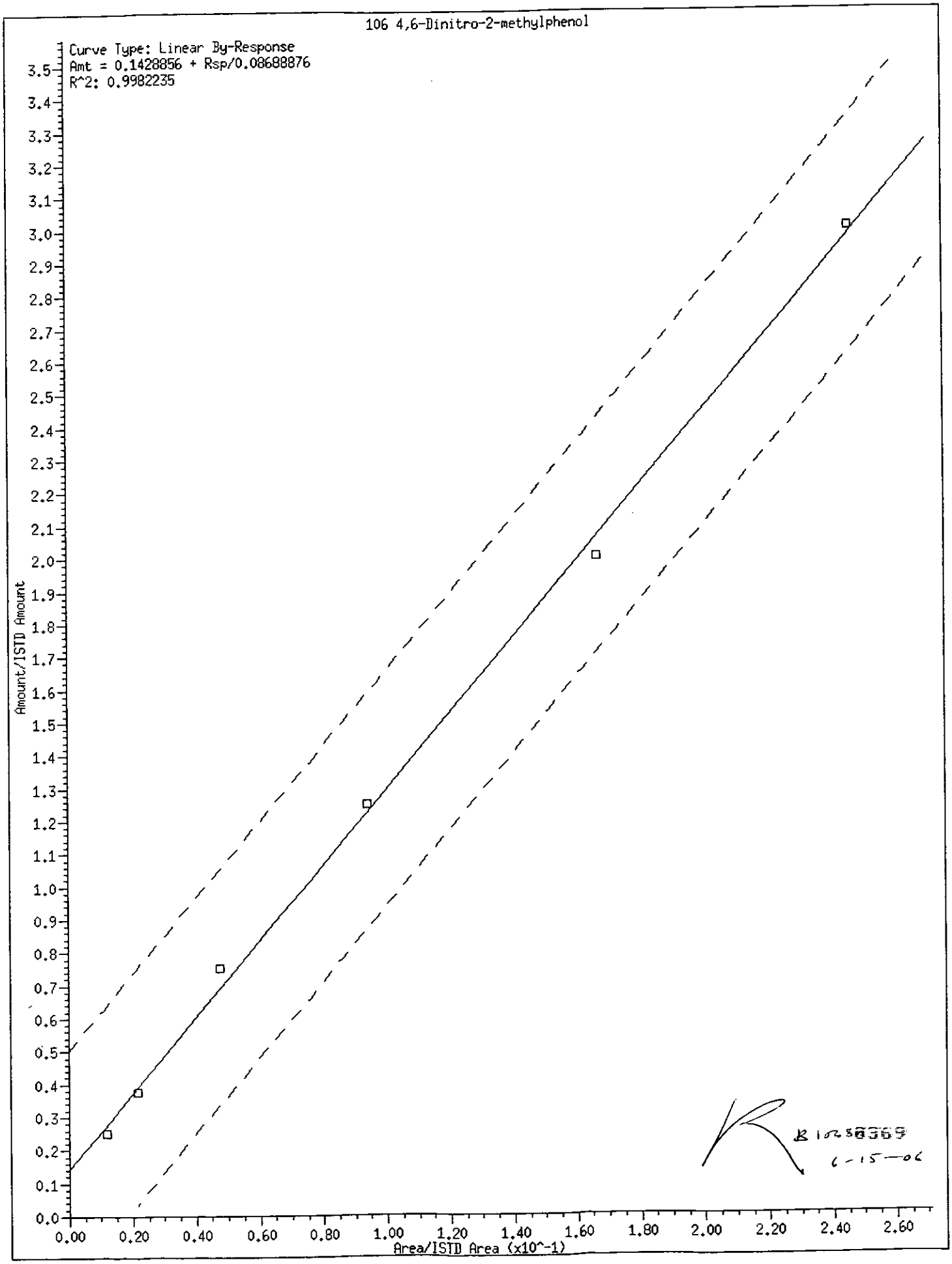
LAB FILE ID: RRF5 = of0677.d RRF15 = of0676.d RRF30 = of0675.d
RRF50 = of0674.d RRF80 = of0671.d RRF120 = of0673.d

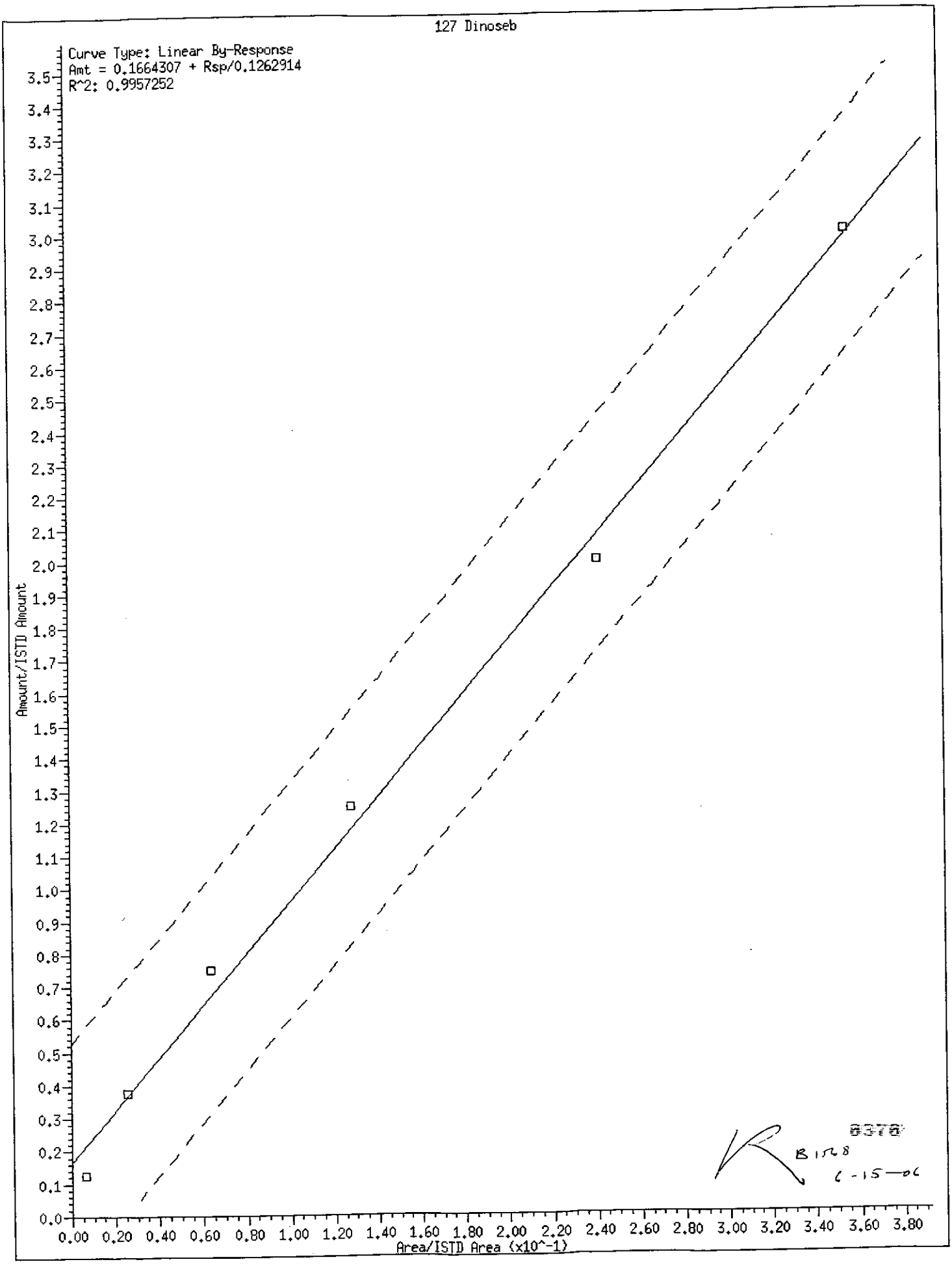
COMPOUND	RRF5	RRF15	RRF30	RRF50	RRF80	RRF120	RRF	$\overline{RRF}$	% RSD	CAL. METHOD
Phenol-d6	2.629	3.041	2.974	3.070	3.013	3.025		2.959	6	AVG
Nitrobenzene-d5	0.560	0.627	0.613	0.620	0.622	0.614		0.609	4	AVG
2-Fluorobiphenyl	1.235	1.386	1.345	1.325	1.386	1.316		1.332	4	AVG
2,4,6-Tribromophenol	0.138	0.172	0.180	0.185	0.191	0.197		0.177	12	AVG
Terphenyl-d14	0.690	0.791	0.758	0.798	0.842	0.819		0.783	7	AVG
							Average %RSD		7	

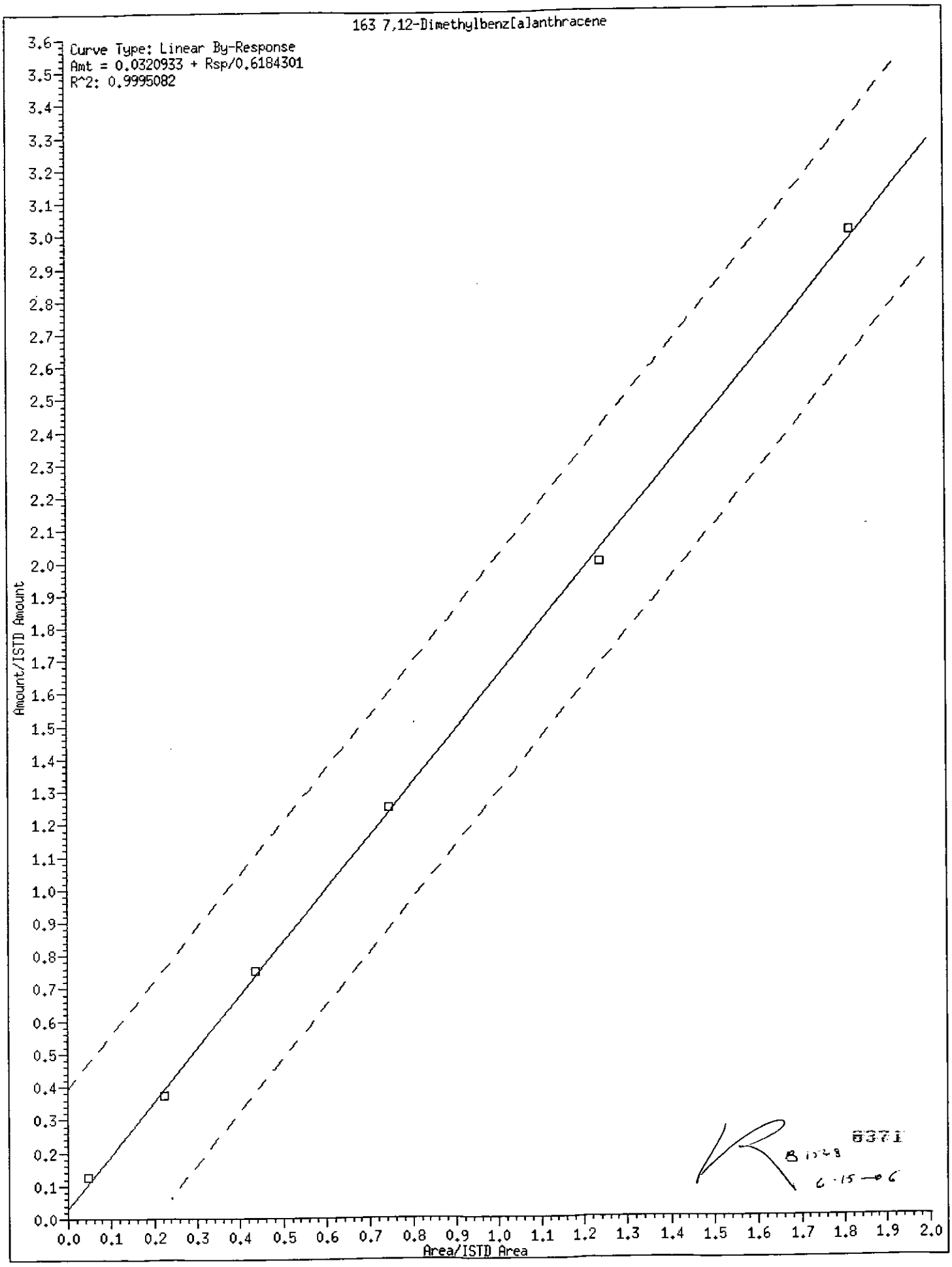
4,6-Dinitro-2-methylphenol and 4-Nitrophenol are at 10 ng/ul in the 5 standard.
Benzoic acid, Pentachlorophenol and 2,4-Dinitrophenol are at 15 ng/ul in the 5 standard.
Benzidine Levels in the 5,15,30,50,80,120 standards are 15,45,90,150,240,360 ng/ul, respectively.
Benzoic acid, Pentachlorophenol and 2,4-Dinitrophenol are at 15 ng/ul, 30 ng/ul,40 ng/ul in the 5 ,15,30,50 standards.

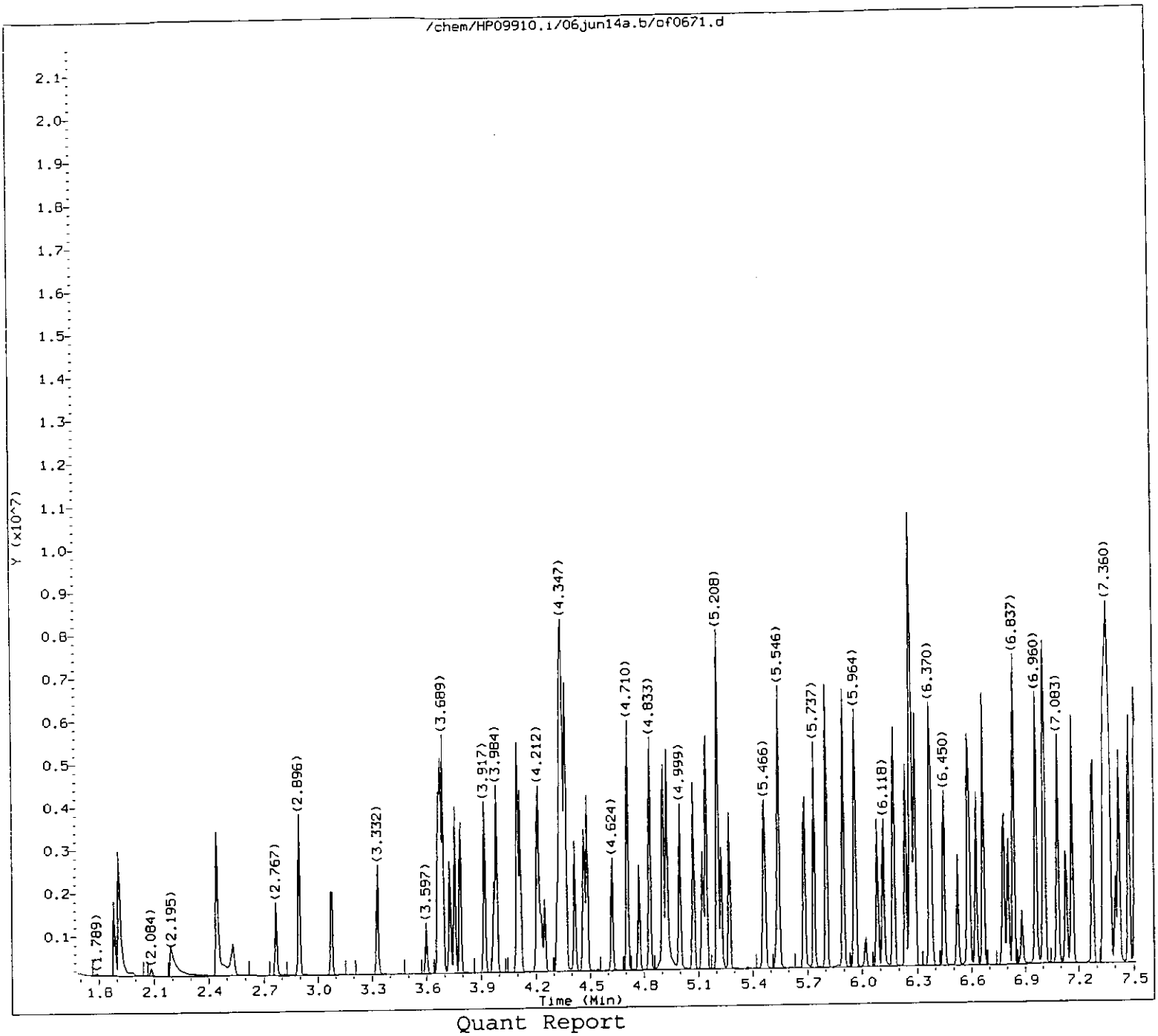

66 Hexachlorocyclopentadiene
Curve Type: Linear By-Response
Amt = 0.0660631 + Rsp/0.2769545
R^2: 0.9960685
Amount/ISTD Amount
Area/ISTD Area (x10^-1)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9 3.0 3.1 3.2 3.3 3.4 3.5
0.00 0.40 0.80 1.20 1.60 2.00 2.40 2.80 3.20 3.60 4.00 4.40 4.80 5.20 5.60 6.00 6.40 6.80 7.20 7.60 8.00 8.40
6367
6-15-6


90 2,4-Dinitrophenol
Curve Type: Linear By-Response
Amt = 0.2611375 + Rsp/0.1284648
R^2: 0.9961081
Amount/ISTD Amount
Area/ISTD Area (x10^-1)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9 3.0 3.1 3.2 3.3 3.4 3.5
0.00 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.20 2.40 2.60 2.80 3.00 3.20 3.40 3.60 3.80
KRS 0368
6-15-06


106 4,6-Dinitro-2-methylphenol
Curve Type: Linear By-Response
Amt = 0.1428856 + Rsp/0.08688876
R^2: 0.9982235
Amount/ISTD Amount
Area/ISTD Area (x10^-1)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1.8
1.9
2.0
2.1
2.2
2.3
2.4
2.5
2.6
2.7
2.8
2.9
3.0
3.1
3.2
3.3
3.4
3.5
0.00
0.20
0.40
0.60
0.80
1.00
1.20
1.40
1.60
1.80
2.00
2.20
2.40
2.60
K 102369
6-15-06


127 Dinoseb
Curve Type: Linear By-Response
Amt = 0.1664307 + Rsp/0.1262914
R^2: 0.9957252
Amount/ISTD Amount
Area/ISTD Area (x10^-1)
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9 3.0 3.1 3.2 3.3 3.4 3.5
0.00 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00 2.20 2.40 2.60 2.80 3.00 3.20 3.40 3.60 3.80
8378
B158
6-15-06


163 7,12-Dimethylbenz[a]anthracene
Curve Type: Linear By-Response
Amt = 0.0320933 + Rsp/0.6184301
R^2: 0.9995082
Amount/ISTD Amount
Area/ISTD Area
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9 3.0 3.1 3.2 3.3 3.4 3.5 3.6
6371
6-15-06



Quant Report

Target Revision 3.5

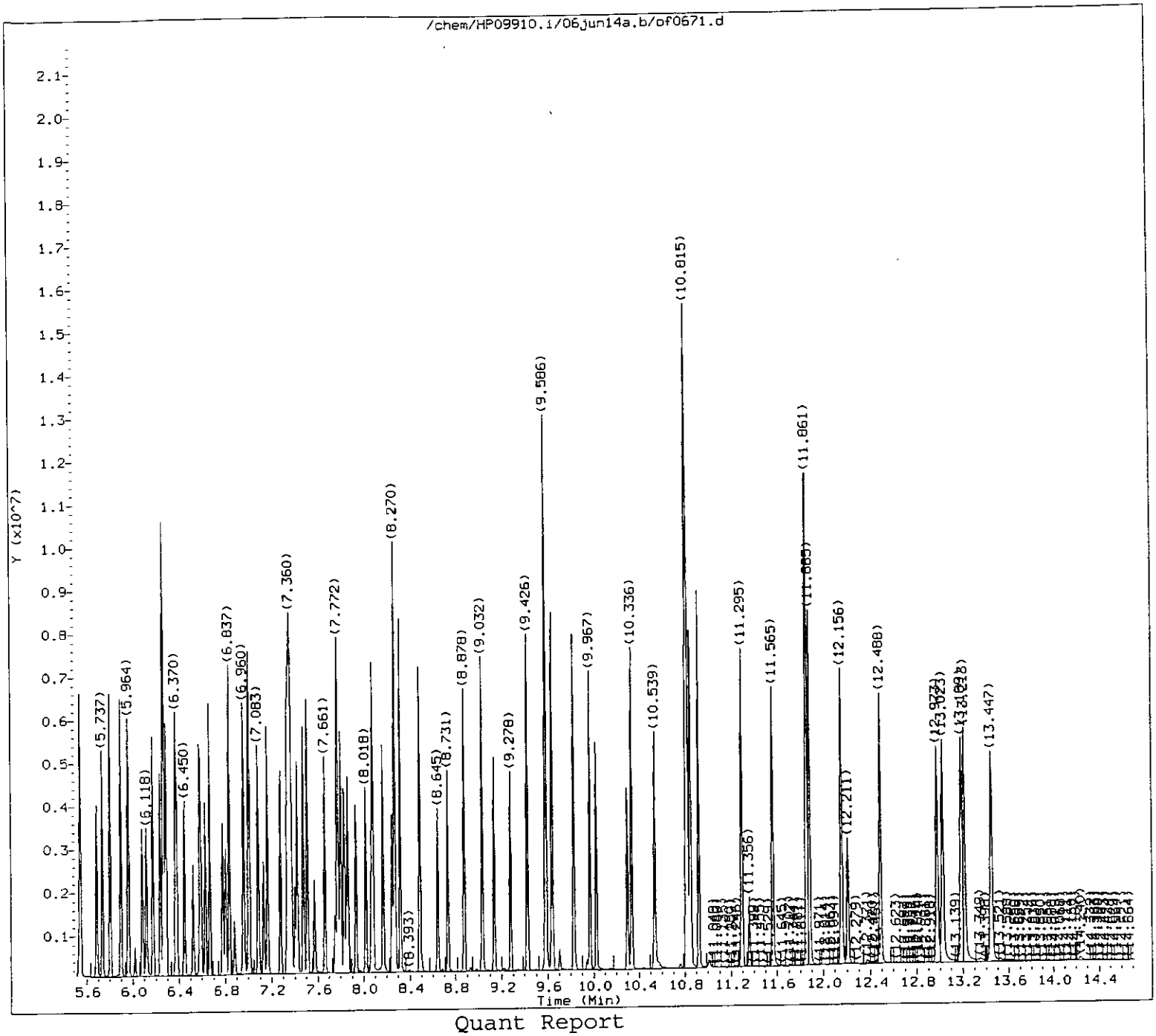
Data File: /chem/HP09910.i/06jun14a.b/of0671.d Instrument ID: HP09910.i
Injection date and time: 14-JUN-2006 23:13 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:58 rpb01568

Sample Name: SSTD080 Lab Sample ID: STD1576

6372

KB 6/07 3
6-15-06



Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0671.d Instrument ID: HP09910.i
Injection date and time: 14-JUN-2006 23:13 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:58 rpb01568

Sample Name: SSTD080 Lab Sample ID: STD1576

9373

6-15-06

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0671.d Instrument ID: HP09910.i
Injection date and time: 14-JUN-2006 23:13 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:58 rpb01568

Sample Name: SSTD080 Lab Sample ID: STD1576

	Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
1)	N-Nitrosodimethylamine	(1)	1.881	74	706601	85.521
2)	Pyridine	(1)	1.906	79	1241012	86.218
4)	2-Picoline	(1)	2.441	93	1122878	82.908
12)	Phenol	(1)	3.677	94	1438689	81.370
13)	Aniline	(1)	3.689	93	1704892	81.677
17)	bis(2-Chloroethyl)ether	(1)	3.757	93	1027757	81.729
18)	2-Chlorophenol	(1)	3.787	128	628804	82.406
19)	1,3-Dichlorobenzene	(1)	3.917	146	640267	80.604
20)	1,4-Dichlorobenzene-d4	(1)	3.972	152	204192	40.000
21)	1,4-Dichlorobenzene	(1)	3.984	146	662445	80.981
24)	Benzyl alcohol	(1)	4.101	108	652165	84.558
25)	1,2-Dichlorobenzene	(1)	4.113	146	623081	80.068
26)	2-Methylphenol	(1)	4.212	108	869512	80.819
27)	2,2'-oxybis(1-Chloropropane)	(1)	4.230	45	764956M	82.141
28)	bis(2-Chloroisopropyl)ether	(1)	4.230	45	765100M	82.154
30)	Acetophenone	(1)	4.335	105	1256329	80.625
31)	N-Nitroso-di-n-propylamine	(1)	4.347	70	825417	80.279
32)	4-Methylphenol	(1)	4.341	108	998586	81.975
33)	o-Toluidine	(1)	4.365	106	1442232	81.065
34)	Hexachloroethane	(1)	4.415	117	289742	82.809
36)	Nitrobenzene	(2)	4.482	77	1141125	81.097
40)	Isophorone	(2)	4.710	82	2281969	81.816
41)	2-Nitrophenol	(2)	4.771	139	277322	83.593
42)	2,4-Dimethylphenol	(2)	4.833	107	930509	83.114
43)	bis(2-Chloroethoxy)methane	(2)	4.925	93	1147704	82.171
44)	Benzoic acid	(2)	4.937	105	602641	88.092
45)	2,4-Dichlorophenol	(2)	4.999	162	494356	81.854
46)	1,2,4-Trichlorobenzene	(2)	5.072	180	542890	80.337
47)	Naphthalene-d8	(2)	5.122	136	872978	40.000
48)	Naphthalene	(2)	5.146	128	2022568	81.282
49)	4-Chloroaniline	(2)	5.208	127	848602	81.547
50)	2,6-Dichlorophenol	(2)	5.208	162	459330	80.737
51)	Hexachlorobutadiene	(2)	5.269	225	319009	82.469
52)	Quinoline	(2)	5.466	129	1320867	80.341
53)	Caprolactam	(2)	5.546	113	314224	79.129
60)	4-Chloro-3-methylphenol	(2)	5.687	107	805833	82.989
61)	2-Methylnaphthalene	(2)	5.804	142	1316505	81.632
62)	1-Methylnaphthalene	(2)	5.896	142	1228105	82.713
66)	Hexachlorocyclopentadiene	(3)	5.958	237	297753	94.363
67)	1,2,4,5-Tetrachlorobenzene	(3)	5.964	216	574192	84.492
68)	2,4,6-Trichlorophenol	(3)	6.081	196	332413	85.145
69)	2,4,5-Trichlorophenol	(3)	6.118	196	404529	83.060
72)	Biphenyl	(3)	6.265	154	1639595	81.957

M = Compound was manually integrated. A = User selected an alternate hit

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0671.d Instrument ID: HP09910.i
Injection date and time: 14-JUN-2006 23:13 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:58 rpb01568

Sample Name: SSTD080 Lab Sample ID: STD1576

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
73) Diphenyl	(3)	6.265	154	1639595	81.957
74) 1,1'-Biphenyl	(3)	6.265	154	1639595	81.957
75) 2-Chloronaphthalene	(3)	6.271	162	1253228	64.295
76) 1-Chloronaphthalene	(3)	6.290	162	1270786	73.784
77) Diphenyl ether	(3)	6.370	170	886104	82.077
79) 2-Nitroaniline	(3)	6.382	138	438206	84.921
80) Dimethylphthalate	(3)	6.579	163	1440662	82.867
81) 2,6-Dinitrotoluene	(3)	6.628	165	323574	83.703
82) Acenaphthylene	(3)	6.665	152	2016724	83.195
83) 3-Nitroaniline	(3)	6.782	138	379280	84.564
85) Acenaphthene-d10	(3)	6.806	164	522784	40.000
89) Acenaphthene	(3)	6.837	153	1297468	83.365
90) 2,4-Dinitrophenol	(3)	6.880	184	121998	99.856
91) Pentachlorobenzene	(3)	6.966	250	556074	80.866
92) 4-Nitrophenol	(3)	6.960	109	259327	80.724
93) Dibenzofuran	(3)	7.003	168	1953683	82.391
94) 2,4-Dinitrotoluene	(3)	7.015	165	412097	86.864
97) 1-Naphthylamine	(3)	7.083	143	1269244	82.206
98) 2,3,4,6-Tetrachlorophenol	(3)	7.132	232	281121	88.580
99) 2-Naphthylamine	(3)	7.163	143	1328499	82.047
100) Diethylphthalate	(3)	7.280	149	1506009	83.799
102) Fluorene	(3)	7.335	166	1579928	83.225
104) 4-Chlorophenyl-phenylether	(3)	7.360	204	752383	82.041
105) 4-Nitroaniline	(3)	7.372	138	419355	81.438
106) 4,6-Dinitro-2-methylphenol	(4)	7.403	198	180824	97.972
109) N-Nitrosodiphenylamine	(4)	7.477	169	1142184	82.252
110) 1,2-Diphenylhydrazine	(4)	7.507	77	2556544	84.252
114) Phorate	(4)	7.778	75	1513726	85.500
116) 4-Bromophenyl-phenylether	(4)	7.833	248	440189	83.886
117) Hexachlorobenzene	(4)	7.864	284	495544	80.978
124) Pentachlorophenol	(4)	8.067	266	243831	91.050
125) Phenanthrene-d10	(4)	8.245	188	1083218	40.000
126) Phenanthrene	(4)	8.270	178	2293972	81.623
127) Dinoseb	(4)	8.270	211	261409	106.428
130) Anthracene	(4)	8.319	178	2382117	82.089
131) Carbazole	(4)	8.485	167	2302371	81.765
133) Methyl parathion	(4)	8.645	109	585605	86.381
134) Ronnel	(4)	8.731	285	584827	83.096
137) Di-n-butylphthalate	(4)	8.878	149	2672365	85.573
139) Parathion	(4)	9.032	109	409168	87.523
142) Fluoranthene	(4)	9.426	202	2812081	81.053
144) Benzidine	(5)	9.586	184	4147784	250.943
145) Pyrene	(5)	9.641	202	2883501	85.466

M = Compound was manually integrated. A = User selected an alternate hit

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0671.d Instrument ID: HP09910.i
Injection date and time: 14-JUN-2006 23:13 Analyst ID: lmh00956

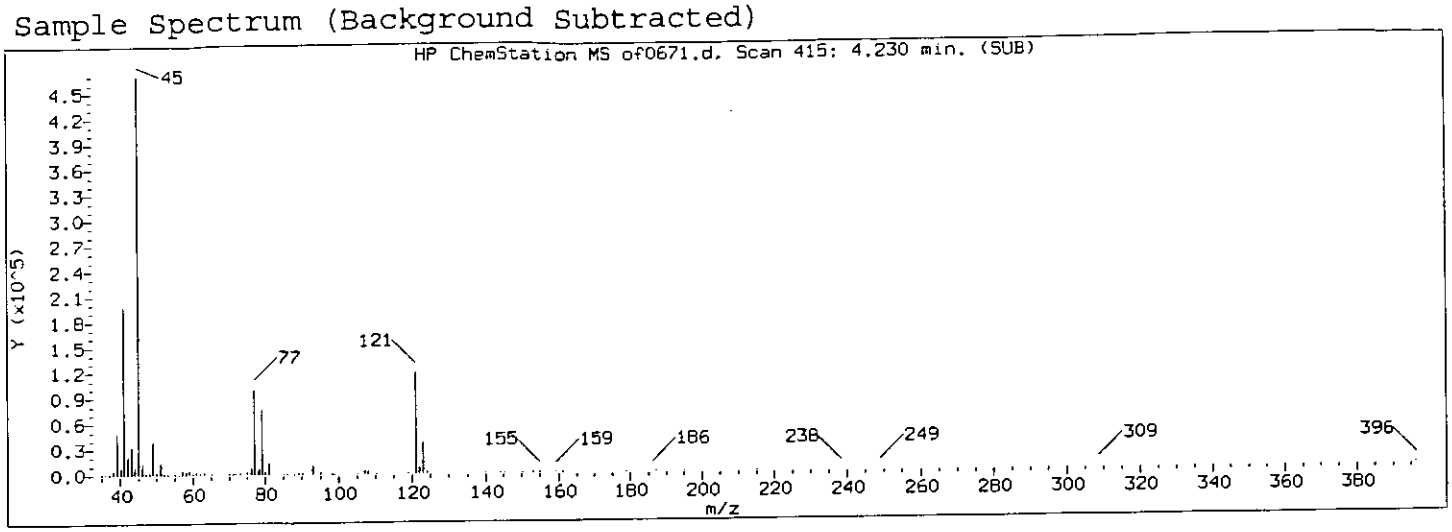
Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:58 rpb01568

Sample Name: SSTD080 Lab Sample ID: STD1576

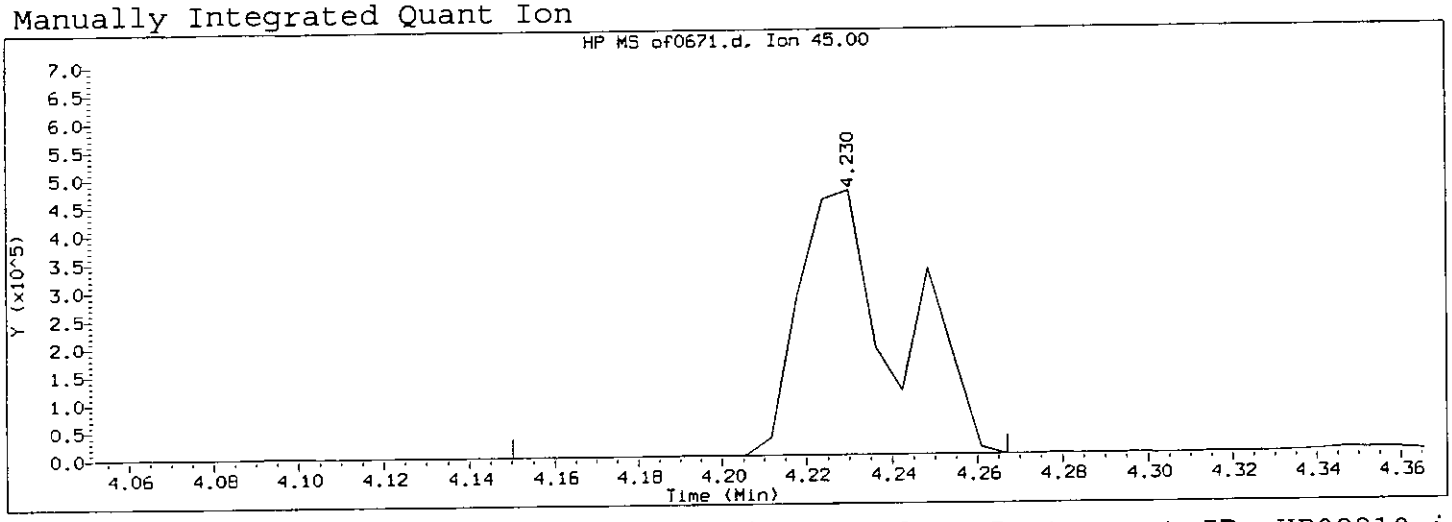
Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
148) Butylbenzylphthalate	(5)	10.336	149	1215861	86.247
153) 3,3'-Dichlorobenzidine	(5)	10.815	252	1041360	82.934
154) Benzo(a)anthracene	(5)	10.815	228	2723065	83.397
155) Hexabromobenzene	(5)	10.821	552	25368	90.900
157) 4,4'-Methylenebis(2-Chloroanil	(5)	10.828	231	520273	84.037
156) Chrysene-d12	(5)	10.821	240	1133682	40.000
158) Chrysene	(5)	10.852	228	2603094	82.046
159) bis(2-Ethylhexyl)phthalate	(5)	10.920	149	1730337	89.188
160) 6-Methylchrysene	(5)	11.295	242	1954821	83.154
161) Di-n-octylphthalate	(6)	11.565	149	2934398	89.109
163) 7,12-Dimethylbenz[a]anthracene	(6)	11.861	256	1379806	87.963
164) Benzo(b)fluoranthene	(6)	11.854	252	3068885	88.689
165) Benzo(k)fluoranthene	(6)	11.885	252	2913188	79.305
166) Benzo(a)pyrene	(6)	12.156	252	2766583	83.474
167) Perylene-d12	(6)	12.211	264	1111594	40.000
168) 3-Methylcholanthrene	(6)	12.488	268	1555497	84.170
169) Dibenz(a,h)acridine	(6)	12.973	279	2387568	87.219
170) Dibenz(a,j)acridine	(6)	13.023	279	2632500	82.630
171) Indeno(1,2,3-cd)pyrene	(6)	13.189	276	3142807	83.353
172) Dibenz(a,h)anthracene	(6)	13.213	278	2507316	83.803
173) Benzo(g,h,i)perylene	(6)	13.447	276	2651650	82.796
7) 2-Fluorophenol	(1)	2.896	112	733471	80.754
10) Phenol-d5	(1)	3.664	99	1230594	81.473
11) Phenol-d6	(1)	3.664	99	1230594	81.473
35) Nitrobenzene-d5	(2)	4.464	82	1086130	81.676
71) 2-Fluorobiphenyl	(3)	6.173	172	1449289	83.232
112) 2,4,6-Tribromophenol	(3)	7.569	330	199903	86.287
147) Terphenyl-d14	(5)	9.825	244	1909093	86.007

M = Compound was manually integrated. A = User selected an alternate hit

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP09910.i/06jun14a.b/of0671.d Instrument ID: HP09910.i
Injection date and time: 14-JUN-2006 23:13 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:58 rpb01568

Sample Name: SSTD080 Lab Sample ID: STD1576

Compound Number : 27
Compound Name : 2,2'-oxybis(1-Chloropropane)
Scan Number : 415
Retention Time (minutes): 4.230
Quant Ion : 45
Area (flag) : 764956 M
Concentration (ng/ul) : 82.1412
Integration start scan : 401 Integration stop scan: 420
Y at integration start : 638 Y at integration end: 709

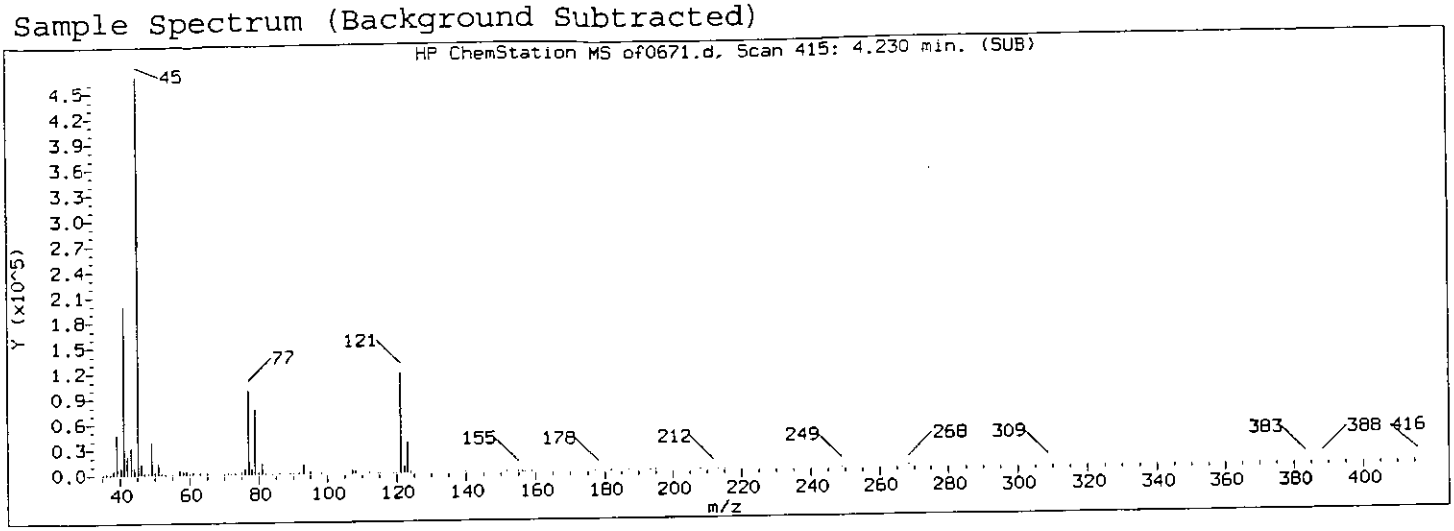
Reason for manual integration (circle one): missed peak improper integration

Analyst responsible for change: Rbirss 6-15-06

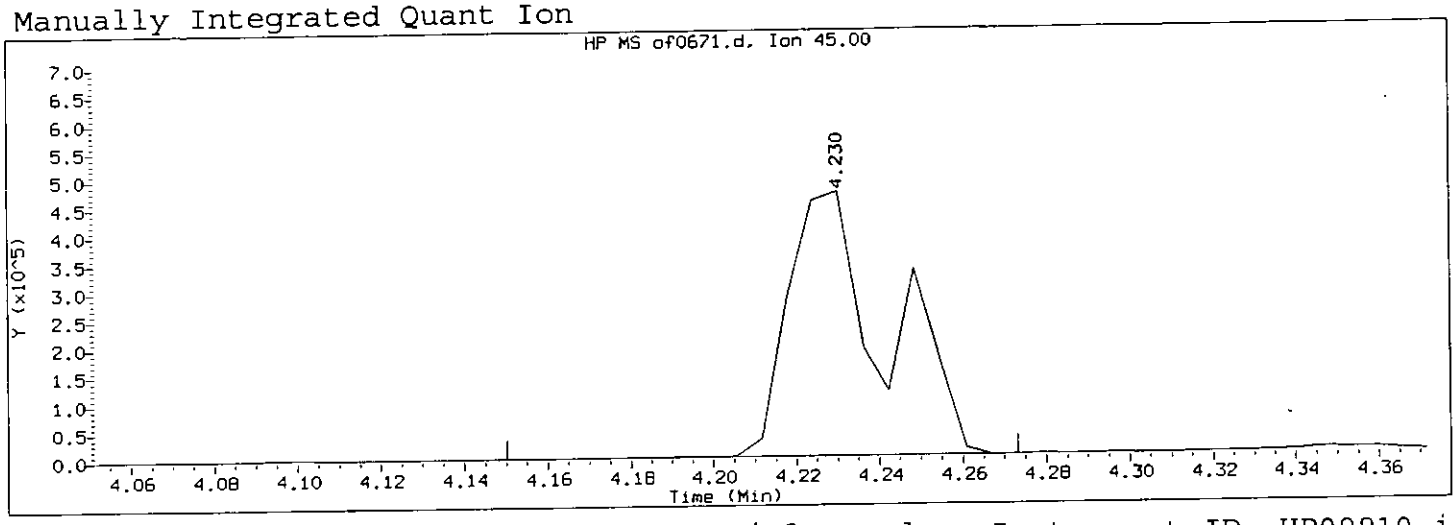
GC/MS audit/management approval: 6/15/06

Manual Integration Report for data file /chem/HP09910.i/06jun14a.b/of0671.d, generated on 06/15/2006 at 06:58

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP09910.i/06jun14a.b/of0671.d Instrument ID: HP09910.i
Injection date and time: 14-JUN-2006 23:13 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:58 rpb01568

Sample Name: SSTD080 Lab Sample ID: STD1576

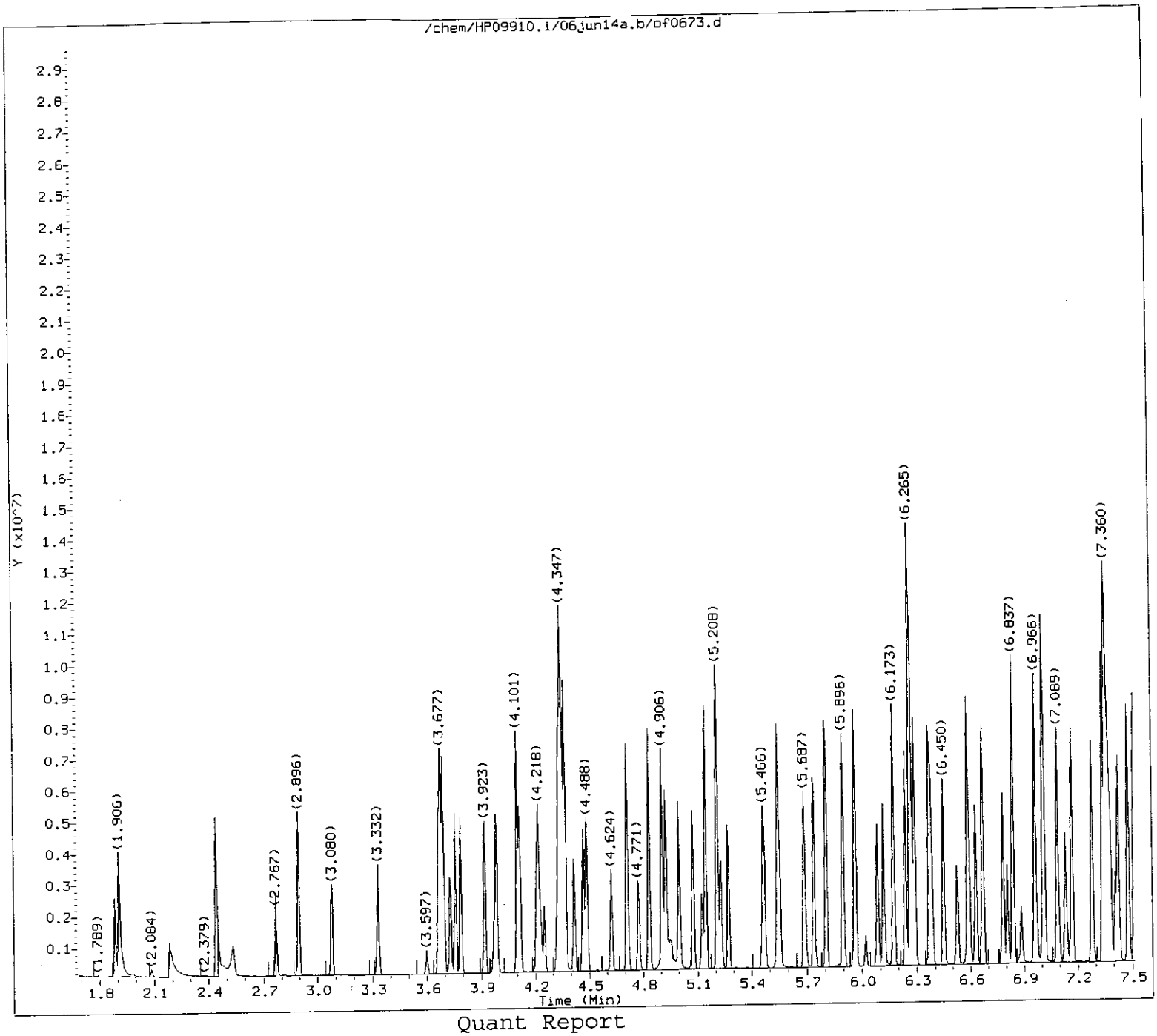
Compound Number : 28
Compound Name : bis(2-Chloroisopropyl)ether
Scan Number : 415
Retention Time (minutes): 4.230
Quant Ion : 45
Area (flag) : 765100 M
Concentration (ng/ul) : 82.1540
Integration start scan : 401 Integration stop scan: 421
Y at integration start : 638 Y at integration end: 713

Reason for manual integration (circle one): missed peak (improper integration)

Analyst responsible for change: RBISS 6-15-06

GC/MS audit/management approval: 6/15/06

Manual Integration Report for data file /chem/HP09910.i/06jun14a.b/of0671.d, generated on 06/15/2006 at 06:58



Quant Report

Target Revision 3.5

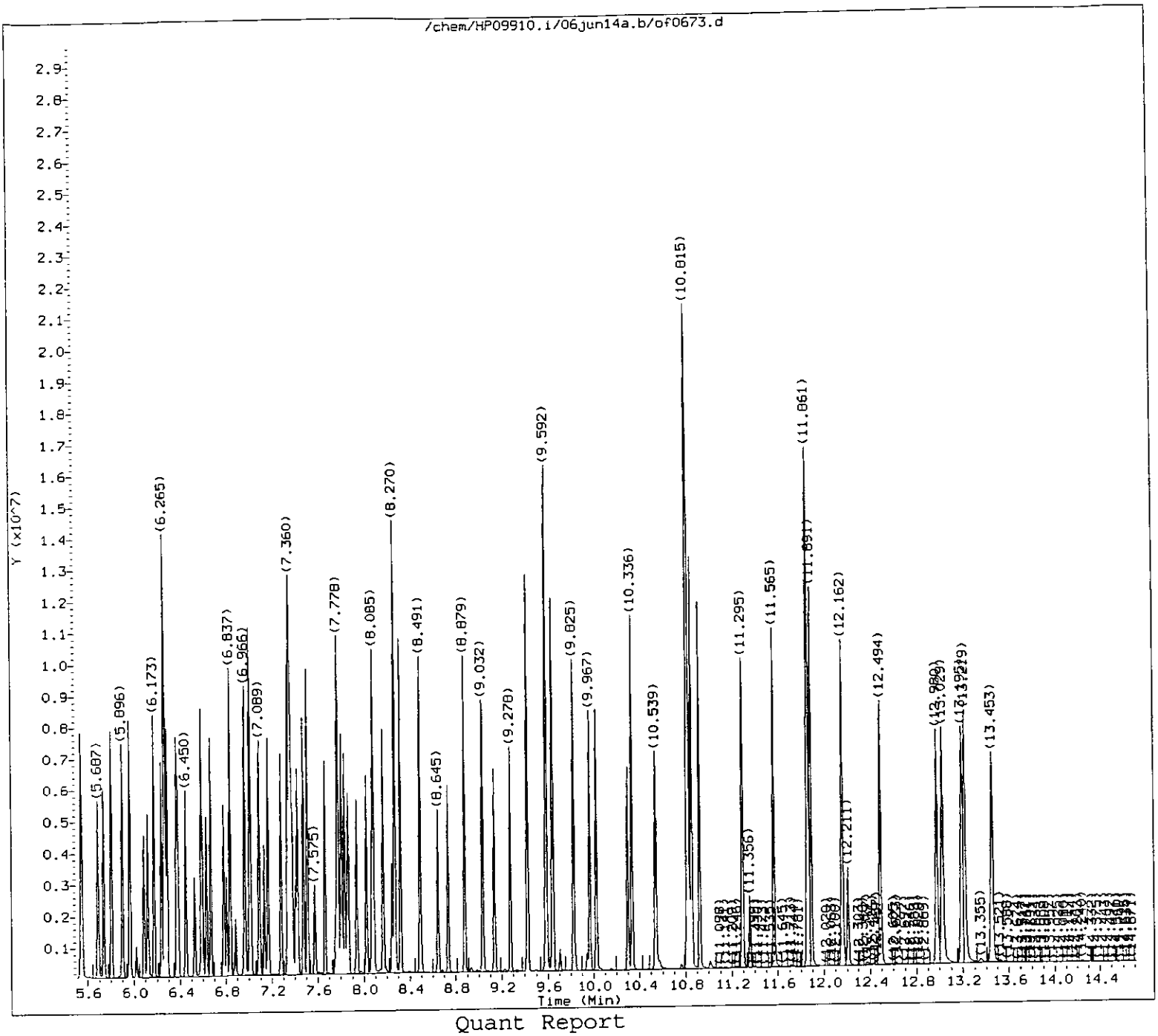
Data File: /chem/HP09910.i/06jun14a.b/of0673.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 00:05 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:58 rpb01568

Sample Name: SSTD120 Lab Sample ID: STD1576

8379

6-15-06



Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0673.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 00:05 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:58 rpb01568

Sample Name: SSTD120 Lab Sample ID: STD1576

6388

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0673.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 00:05 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:58 rpb01568

Sample Name: SSTD120 Lab Sample ID: STD1576

	Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
1)	N-Nitrosodimethylamine	(1)	1.881	74	919478	124.168
2)	Pyridine	(1)	1.906	79	1529602	118.569
4)	2-Picoline	(1)	2.441	93	1468213	120.955
12)	Phenol	(1)	3.677	94	1956390	123.459
13)	Aniline	(1)	3.689	93	2293809	122.612
17)	bis(2-Chloroethyl)ether	(1)	3.757	93	1351238	119.891
18)	2-Chlorophenol	(1)	3.787	128	826772	120.893
19)	1,3-Dichlorobenzene	(1)	3.923	146	847027	118.977
20)	1,4-Dichlorobenzene-d4	(1)	3.972	152	183007	40.000
21)	1,4-Dichlorobenzene	(1)	3.990	146	870172	118.689
24)	Benzyl alcohol	(1)	4.101	108	858080	124.136
25)	1,2-Dichlorobenzene	(1)	4.113	146	835724	119.826
26)	2-Methylphenol	(1)	4.218	108	1179604	122.334
27)	2,2'-oxybis(1-Chloropropane)	(1)	4.230	45	998403	119.619
28)	bis(2-Chloroisopropyl)ether	(1)	4.230	45	998403	119.616
30)	Acetophenone	(1)	4.335	105	1707993	122.299
31)	N-Nitroso-di-n-propylamine	(1)	4.353	70	1097026	119.046
32)	4-Methylphenol	(1)	4.347	108	1333616	122.151
33)	o-Toluidine	(1)	4.365	106	1945545	122.015
34)	Hexachloroethane	(1)	4.415	117	381637	121.700
36)	Nitrobenzene	(2)	4.488	77	1543000	120.015
40)	Isophorone	(2)	4.710	82	3080495	120.879
41)	2-Nitrophenol	(2)	4.777	139	378527	124.877
42)	2,4-Dimethylphenol	(2)	4.833	107	1243020	121.516
43)	bis(2-Chloroethoxy)methane	(2)	4.925	93	1561163	122.332
44)	Benzoic acid	(2)	4.950	105	855540	136.874
45)	2,4-Dichlorophenol	(2)	4.999	162	685793	124.279
46)	1,2,4-Trichlorobenzene	(2)	5.079	180	730933	118.382
47)	Naphthalene-d8	(2)	5.122	136	797630	40.000
48)	Naphthalene	(2)	5.146	128	2738293	120.441
49)	4-Chloroaniline	(2)	5.208	127	1141067	120.010
50)	2,6-Dichlorophenol	(2)	5.214	162	640693	123.253
51)	Hexachlorobutadiene	(2)	5.269	225	416730	117.908
52)	Quinoline	(2)	5.466	129	1822301	121.311
53)	Caprolactam	(2)	5.552	113	443916	122.348
60)	4-Chloro-3-methylphenol	(2)	5.687	107	1125523	126.861
61)	2-Methylnaphthalene	(2)	5.804	142	1781416	120.894
62)	1-Methylnaphthalene	(2)	5.896	142	1640717	120.942
66)	Hexachlorocyclopentadiene	(3)	5.964	237	394537	131.908
67)	1,2,4,5-Tetrachlorobenzene	(3)	5.964	216	772538	119.927
68)	2,4,6-Trichlorophenol	(3)	6.087	196	457428	123.606
69)	2,4,5-Trichlorophenol	(3)	6.118	196	573499	124.226
72)	Biphenyl	(3)	6.265	154	2257941	119.070

M = Compound was manually integrated. A = User selected an alternate hit

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0673.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 00:05 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:58 rpb01568

Sample Name: SSTD120 Lab Sample ID: STD1576

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
73) Diphenyl	(3)	6.265	154	2257941	119.070
74) 1,1'-Biphenyl	(3)	6.265	154	2257941	119.070
75) 2-Chloronaphthalene	(3)	6.271	162	2133425M	115.469
76) 1-Chloronaphthalene	(3)	6.290	162	1624870M	99.529
77) Diphenyl ether	(3)	6.370	170	1222819	119.491
79) 2-Nitroaniline	(3)	6.382	138	619719	126.698
80) Dimethylphthalate	(3)	6.585	163	2018058	122.458
81) 2,6-Dinitrotoluene	(3)	6.634	165	458994	125.260
82) Acenaphthylene	(3)	6.671	152	2819287	122.696
83) 3-Nitroaniline	(3)	6.782	138	535201	125.887
85) Acenaphthene-d10	(3)	6.806	164	495547	40.000
89) Acenaphthene	(3)	6.837	153	1810851	122.746
90) 2,4-Dinitrophenol	(3)	6.886	184	172933	149.327
91) Pentachlorobenzene	(3)	6.966	250	780513	119.743
92) 4-Nitrophenol	(3)	6.966	109	378640	124.342
93) Dibenzofuran	(3)	7.009	168	2734207	121.645
94) 2,4-Dinitrotoluene	(3)	7.015	165	586812	130.489
97) 1-Naphthylamine	(3)	7.089	143	1832580	125.215
98) 2,3,4,6-Tetrachlorophenol	(3)	7.132	232	392444	130.454
99) 2-Naphthylamine	(3)	7.169	143	1897086	123.602
100) Diethylphthalate	(3)	7.280	149	2115874	124.205
102) Fluorene	(3)	7.341	166	2226244	123.716
104) 4-Chlorophenyl-phenylether	(3)	7.360	204	1043657	120.056
105) 4-Nitroaniline	(3)	7.378	138	603701	123.681
106) 4,6-Dinitro-2-methylphenol	(4)	7.409	198	260612	144.407
109) N-Nitrosodiphenylamine	(4)	7.477	169	1636255	120.507
110) 1,2-Diphenylhydrazine	(4)	7.514	77	3623625	122.129
114) Phorate	(4)	7.778	75	2082301	120.285
116) 4-Bromophenyl-phenylether	(4)	7.833	248	613852	119.637
117) Hexachlorobenzene	(4)	7.870	284	707240	118.197
124) Pentachlorophenol	(4)	8.067	266	351859	134.373
125) Phenanthrene-d10	(4)	8.245	188	1059168	40.000
126) Phenanthrene	(4)	8.270	178	3320299	120.824
127) Dinoseb	(4)	8.270	211	377028	156.986
130) Anthracene	(4)	8.319	178	3472197	122.371
131) Carbazole	(4)	8.491	167	3359939	122.032
133) Methyl parathion	(4)	8.645	109	770078	116.171
134) Ronnel	(4)	8.731	285	792427	115.150
137) Di-n-butylphthalate	(4)	8.879	149	3804298	124.586
139) Parathion	(4)	9.038	109	588724	128.790
142) Fluoranthene	(4)	9.426	202	4180756	123.239
144) Benzidine	(5)	9.592	184	5950298	361.236
145) Pyrene	(5)	9.641	202	4189090	124.590

M = Compound was manually integrated. A = User selected an alternate hit

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0673.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 00:05 Analyst ID: lmh00956

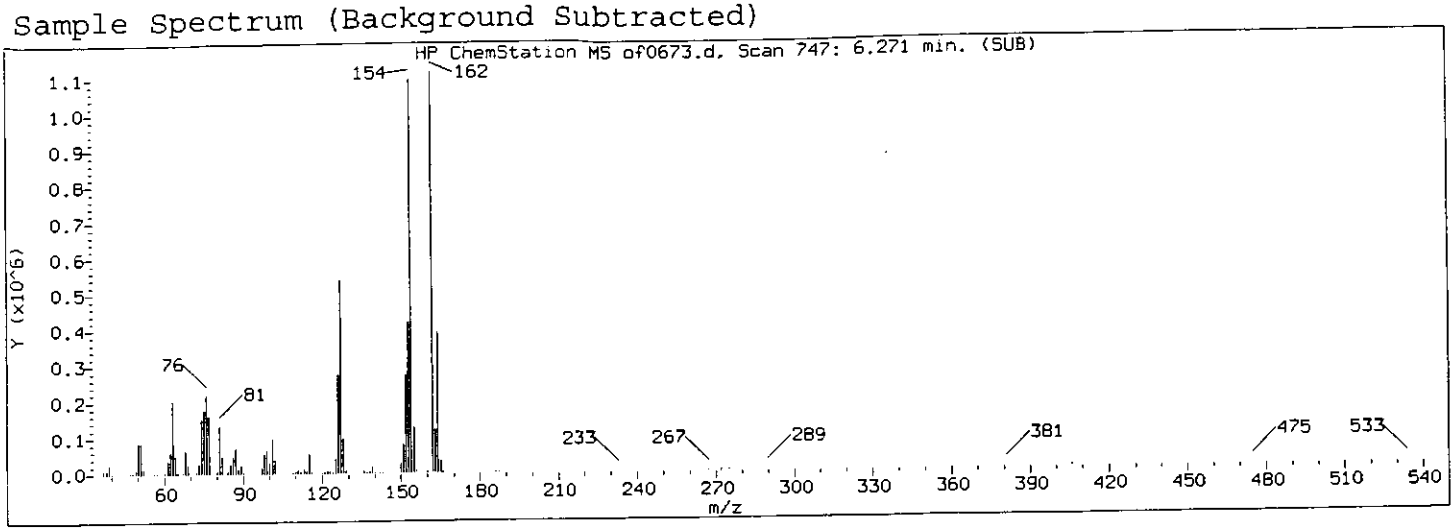
Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:58 rpb01568

Sample Name: SSTD120 Lab Sample ID: STD1576

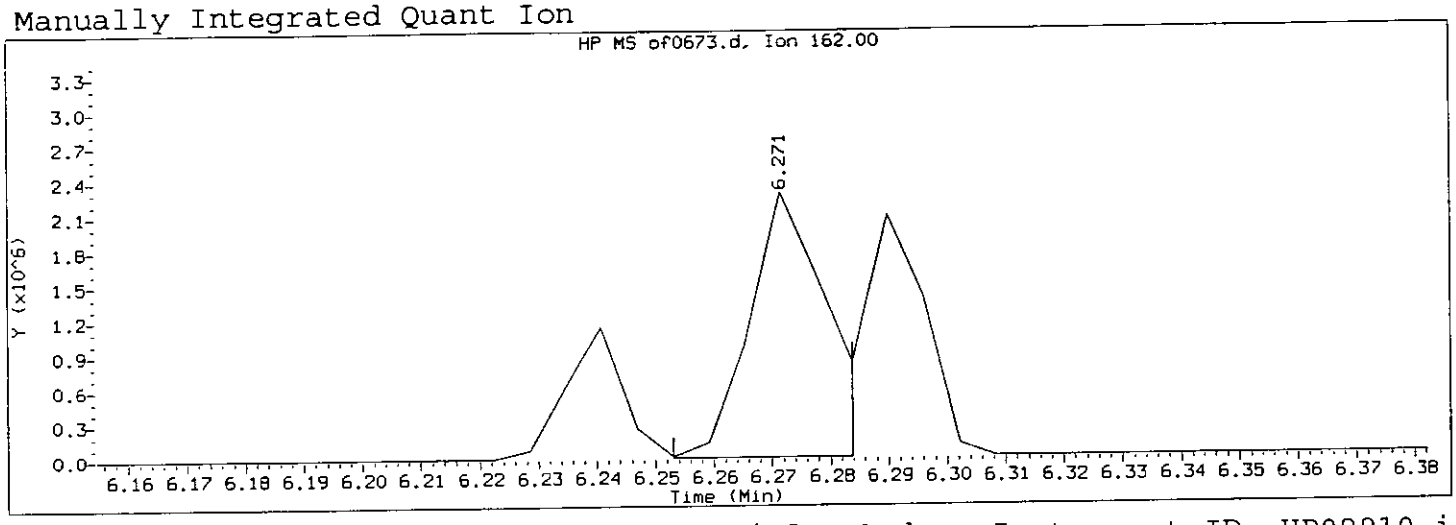
	Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
148)	Butylbenzylphthalate	(5)	10.336	149	1763180	125.502
153)	3,3'-Dichlorobenzidine	(5)	10.815	252	1537921	122.902
154)	Benzo(a)anthracene	(5)	10.815	228	3997702	122.857
155)	Hexabromobenzene	(5)	10.821	552	38632	138.905
157)	4,4'-Methylenebis(2-Chloroanil	(5)	10.828	231	750128	121.582
156)	Chrysene-d12	(5)	10.828	240	1129790	40.000
158)	Chrysene	(5)	10.852	228	3843202	121.550
159)	bis(2-Ethylhexyl)phthalate	(5)	10.920	149	2454954	126.973
160)	6-Methylchrysene	(5)	11.301	242	2901504	123.850
161)	Di-n-octylphthalate	(6)	11.565	149	4321640	132.554
163)	7,12-Dimethylbenz[a]anthracene	(6)	11.867	256	2005001	129.104
164)	Benzo(b)fluoranthene	(6)	11.861	252	4169243	121.700
165)	Benzo(k)fluoranthene	(6)	11.891	252	4639409	127.567
166)	Benzo(a)pyrene	(6)	12.162	252	4098001	124.888
167)	Perylene-d12	(6)	12.211	264	1100535	40.000
168)	3-Methylcholanthrene	(6)	12.494	268	2280211	124.625
169)	Dibenz(a,h)acridine	(6)	12.980	279	3567434	131.629
170)	Dibenz(a,j)acridine	(6)	13.029	279	3824509	121.251
171)	Indeno(1,2,3-cd)pyrene	(6)	13.195	276	4661670	124.878
172)	Dibenz(a,h)anthracene	(6)	13.219	278	3684009	124.370
173)	Benzo(g,h,i)perylene	(6)	13.453	276	3949205	124.551
7)	2-Fluorophenol	(1)	2.896	112	993422	122.036
10)	Phenol-d5	(1)	3.664	99	1661040	122.702
11)	Phenol-d6	(1)	3.664	99	1661040	122.702
35)	Nitrobenzene-d5	(2)	4.470	82	1469218	120.921
71)	2-Fluorobiphenyl	(3)	6.173	172	1956523	118.538
112)	2,4,6-Tribromophenol	(3)	7.575	330	292313	133.110
147)	Terphenyl-d14	(5)	9.825	244	2776827	125.531

M = Compound was manually integrated. A = User selected an alternate hit

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP09910.i/06jun14a.b/of0673.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 00:05 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:58 rpb01568

Sample Name: SSTD120 Lab Sample ID: STD1576

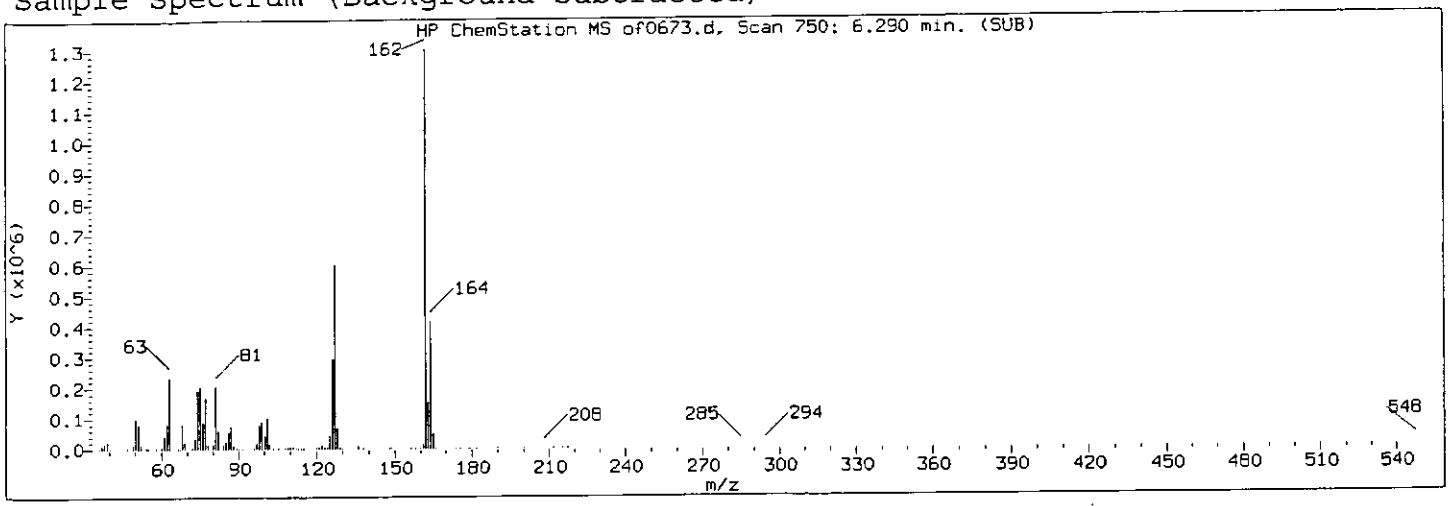
Compound Number	:	75
Compound Name	:	2-Chloronaphthalene
Scan Number	:	747
Retention Time (minutes)	:	6.271
Quant Ion	:	162
Area (flag)	:	2133425 M
Concentration (ng/ul)	:	115.4685
Integration start scan	:	743 Integration stop scan: 748
Y at integration start	:	2704 Y at integration end: 1821

Reason for manual integration (circle one): missed peak improper integration

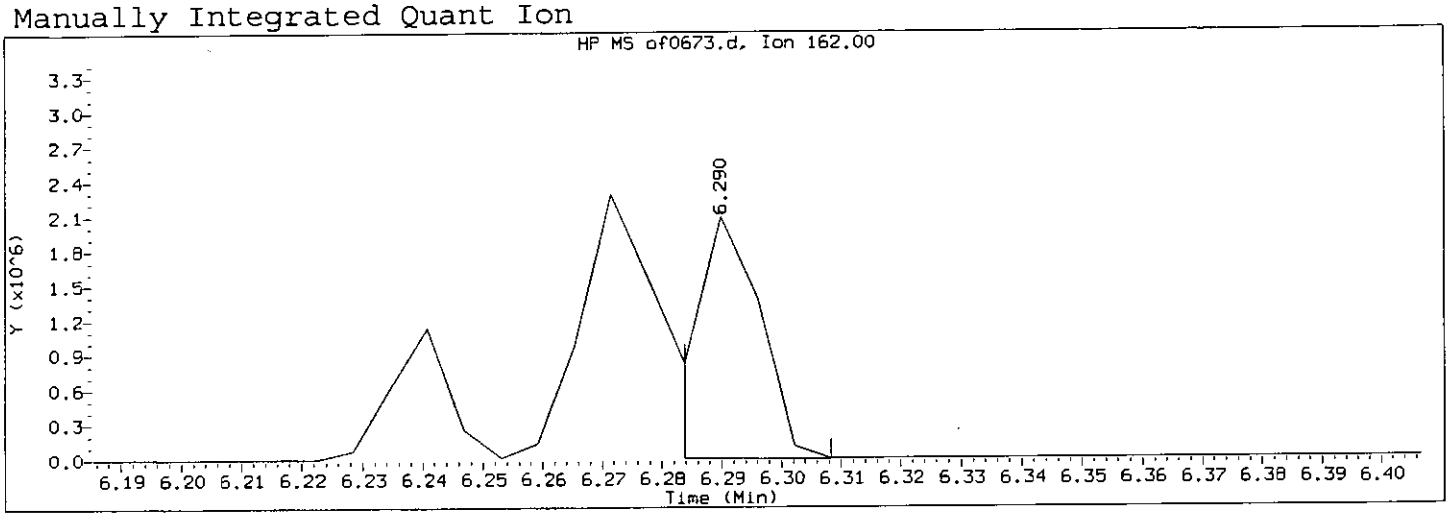
Analyst responsible for change: K Bias 6-15-06

GC/MS audit/management approval: 6/19/06

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP09910.i/06jun14a.b/of0673.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 00:05 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:58 rpb01568

Sample Name: SSTD120 Lab Sample ID: STD1576

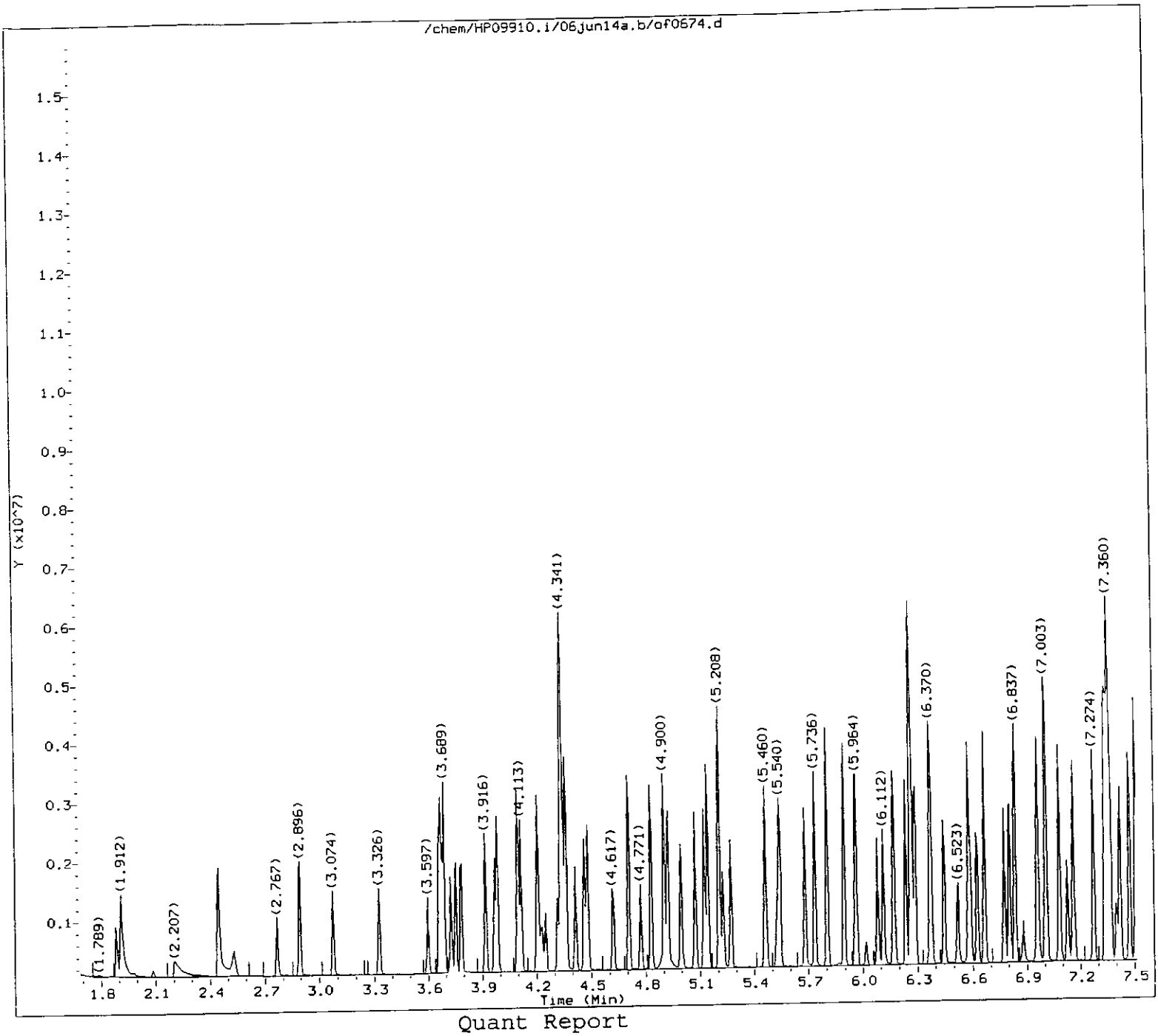
Compound Number	: 76		
Compound Name	: 1-Chloronaphthalene		
Scan Number	: 750		
Retention Time (minutes)	: 6.290		
Quant Ion	: 162		
Area (flag)	: 1624870 M		
Concentration (ng/ul)	: 99.5288		
Integration start scan	: 748	Integration stop scan:	752
Y at integration start	: -755	Y at integration end:	-4845

Reason for manual integration (circle one): missed peak improper integration

Analyst responsible for change: RBIRD 6-15-06

GC/MS audit/management approval: 6/15/06

Manual Integration Report for data file /chem/HP09910.i/06jun14a.b/of0673.d, generated on 06/15/2006 at 06:58



Quant Report

Target Revision 3.5

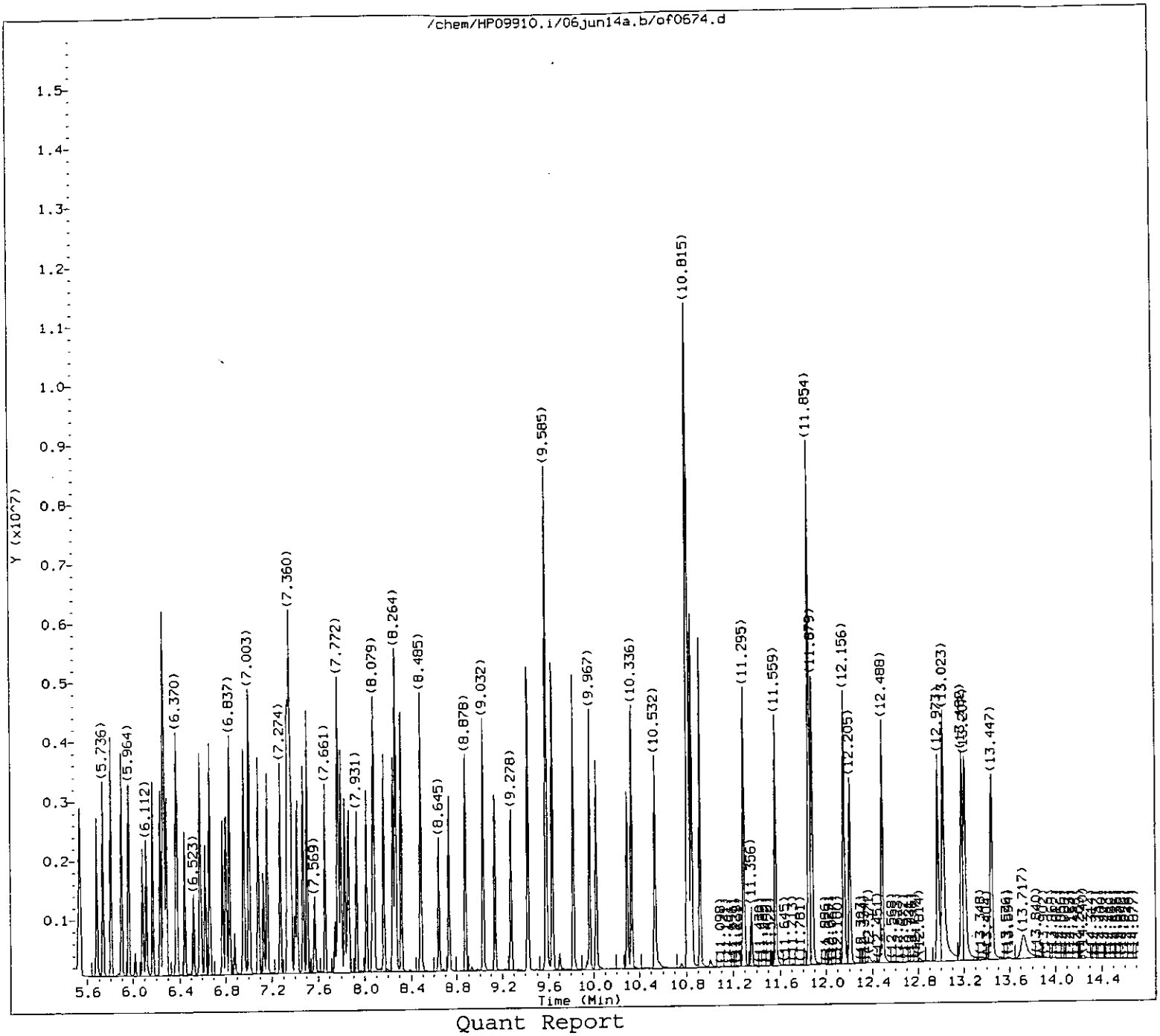
Data File: /chem/HP09910.i/06jun14a.b/of0674.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 00:27 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:58 rpb01568

Sample Name: SSTD050 Lab Sample ID: STD1576

0386

RBias
6-15-06



Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0674.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 00:27 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:58 rpb01568

Sample Name: SSTD050 Lab Sample ID: STD1576

9387

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6-15-06

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0674.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 00:27 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:58 rpb01568

Sample Name: SSTD050 Lab Sample ID: STD1576

	Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
1)	N-Nitrosodimethylamine	(1)	1.881	74	424377	54.655
2)	Pyridine	(1)	1.912	79	704301	52.066
4)	2-Picoline	(1)	2.447	93	660584	51.900
12)	Phenol	(1)	3.671	94	871562	52.453
13)	Aniline	(1)	3.689	93	1002880	51.125
17)	bis(2-Chloroethyl)ether	(1)	3.757	93	598929	50.680
18)	2-Chlorophenol	(1)	3.787	128	374063	52.163
19)	1,3-Dichlorobenzene	(1)	3.916	146	371720	49.795
20)	1,4-Dichlorobenzene-d4	(1)	3.972	152	191894	40.000
21)	1,4-Dichlorobenzene	(1)	3.984	146	390517	50.798
24)	Benzyl alcohol	(1)	4.095	108	387569	53.472
25)	1,2-Dichlorobenzene	(1)	4.113	146	374815	51.252
26)	2-Methylphenol	(1)	4.205	108	519294	51.361
27)	2,2'-oxybis(1-Chloropropane)	(1)	4.230	45	441343	50.429
28)	bis(2-Chloroisopropyl)ether	(1)	4.230	45	441343	50.427
30)	Acetophenone	(1)	4.335	105	757730	51.744
31)	N-Nitroso-di-n-propylamine	(1)	4.341	70	494165	51.142
32)	4-Methylphenol	(1)	4.341	108	596562	52.111
33)	o-Toluidine	(1)	4.365	106	861617	51.534
34)	Hexachloroethane	(1)	4.414	117	167634	50.981
36)	Nitrobenzene	(2)	4.482	77	681187	50.839
40)	Isophorone	(2)	4.703	82	1356901	51.090
41)	2-Nitrophenol	(2)	4.771	139	165157	52.281
42)	2,4-Dimethylphenol	(2)	4.826	107	548541	51.454
43)	bis(2-Chloroethoxy)methane	(2)	4.925	93	657054	49.403
44)	Benzoic acid	(2)	4.919	105	339995	52.193
45)	2,4-Dichlorophenol	(2)	4.999	162	296466	51.551
46)	1,2,4-Trichlorobenzene	(2)	5.072	180	315681	49.058
47)	Naphthalene-d8	(2)	5.122	136	831273	40.000
48)	Naphthalene	(2)	5.140	128	1185919	50.050
49)	4-Chloroaniline	(2)	5.208	127	503025	50.764
50)	2,6-Dichlorophenol	(2)	5.208	162	275779	50.906
51)	Hexachlorobutadiene	(2)	5.269	225	184447	50.075
52)	Quinoline	(2)	5.460	129	809878	51.732
53)	Caprolactam	(2)	5.534	113	197702	52.284
60)	4-Chloro-3-methylphenol	(2)	5.681	107	484129	52.359
61)	2-Methylnaphthalene	(2)	5.804	142	791891	51.566
62)	1-Methylnaphthalene	(2)	5.896	142	713584	50.471
66)	Hexachlorocyclopentadiene	(3)	5.958	237	161930	51.707
67)	1,2,4,5-Tetrachlorobenzene	(3)	5.964	216	334158	49.544
68)	2,4,6-Trichlorophenol	(3)	6.081	196	198829	51.314
69)	2,4,5-Trichlorophenol	(3)	6.112	196	239757	49.601
72)	Biphenyl	(3)	6.259	154	988053	49.763

M = Compound was manually integrated. A = User selected an alternate hit

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0674.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 00:27 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:58 rpb01568

Sample Name: SSTD050 Lab Sample ID: STD1576

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
73) Diphenyl	(3)	6.259	154	988053	49.763
74) 1,1'-Biphenyl	(3)	6.259	154	988053	49.763
75) 2-Chloronaphthalene	(3)	6.271	162	814137	42.085
76) 1-Chloronaphthalene	(3)	6.290	162	702236	41.082
77) Diphenyl ether	(3)	6.370	170	534986	49.929
79) 2-Nitroaniline	(3)	6.376	138	264798	51.704
80) Dimethylphthalate	(3)	6.579	163	871317	50.498
81) 2,6-Dinitrotoluene	(3)	6.628	165	199350	51.959
82) Acenaphthylene	(3)	6.665	152	1218171	50.633
83) 3-Nitroaniline	(3)	6.776	138	232885	52.317
85) Acenaphthene-d10	(3)	6.806	164	518854	40.000
89) Acenaphthene	(3)	6.837	153	763075	49.401
90) 2,4-Dinitrophenol	(3)	6.880	184	62826	51.813
91) Pentachlorobenzene	(3)	6.960	250	344645	50.499
92) 4-Nitrophenol	(3)	6.960	109	168153	52.739
93) Dibenzofuran	(3)	7.003	168	1178720	50.086
94) 2,4-Dinitrotoluene	(3)	7.009	165	254250	53.998
97) 1-Naphthylamine	(3)	7.083	143	807623	52.704
98) 2,3,4,6-Tetrachlorophenol	(3)	7.126	232	162068	51.454
99) 2-Naphthylamine	(3)	7.163	143	812426	50.555
100) Diethylphthalate	(3)	7.274	149	921544	51.666
102) Fluorene	(3)	7.335	166	956601	50.772
104) 4-Chlorophenyl-phenylether	(3)	7.360	204	451264	49.579
105) 4-Nitroaniline	(3)	7.372	138	271157	53.057
106) 4,6-Dinitro-2-methylphenol	(4)	7.403	198	103902	55.170
109) N-Nitrosodiphenylamine	(4)	7.470	169	705708	49.805
110) 1,2-Diphenylhydrazine	(4)	7.507	77	1542085	49.805
114) Phorate	(4)	7.772	75	912651	50.519
116) 4-Bromophenyl-phenylether	(4)	7.833	248	263444	49.201
117) Hexachlorobenzene	(4)	7.864	284	309602	49.582
124) Pentachlorophenol	(4)	8.067	266	143101	52.369
125) Phenanthrene-d10	(4)	8.245	188	1105299	40.000
126) Phenanthrene	(4)	8.264	178	1456404	50.786
127) Dinoseb	(4)	8.270	211	141832	56.591
130) Anthracene	(4)	8.319	178	1499699	50.648
131) Carbazole	(4)	8.485	167	1463004	50.918
133) Methyl parathion	(4)	8.645	109	356326	51.511
134) Ronnel	(4)	8.731	285	357181	49.737
137) Di-n-butylphthalate	(4)	8.878	149	1644688	51.613
139) Parathion	(4)	9.032	109	254799	53.414
142) Fluoranthene	(4)	9.419	202	1819099	51.385
144) Benzidine	(5)	9.585	184	2874399	161.164
145) Pyrene	(5)	9.635	202	1877585	51.574

M = Compound was manually integrated. A = User selected an alternate hit

Quant Report

Target Revision 3.5

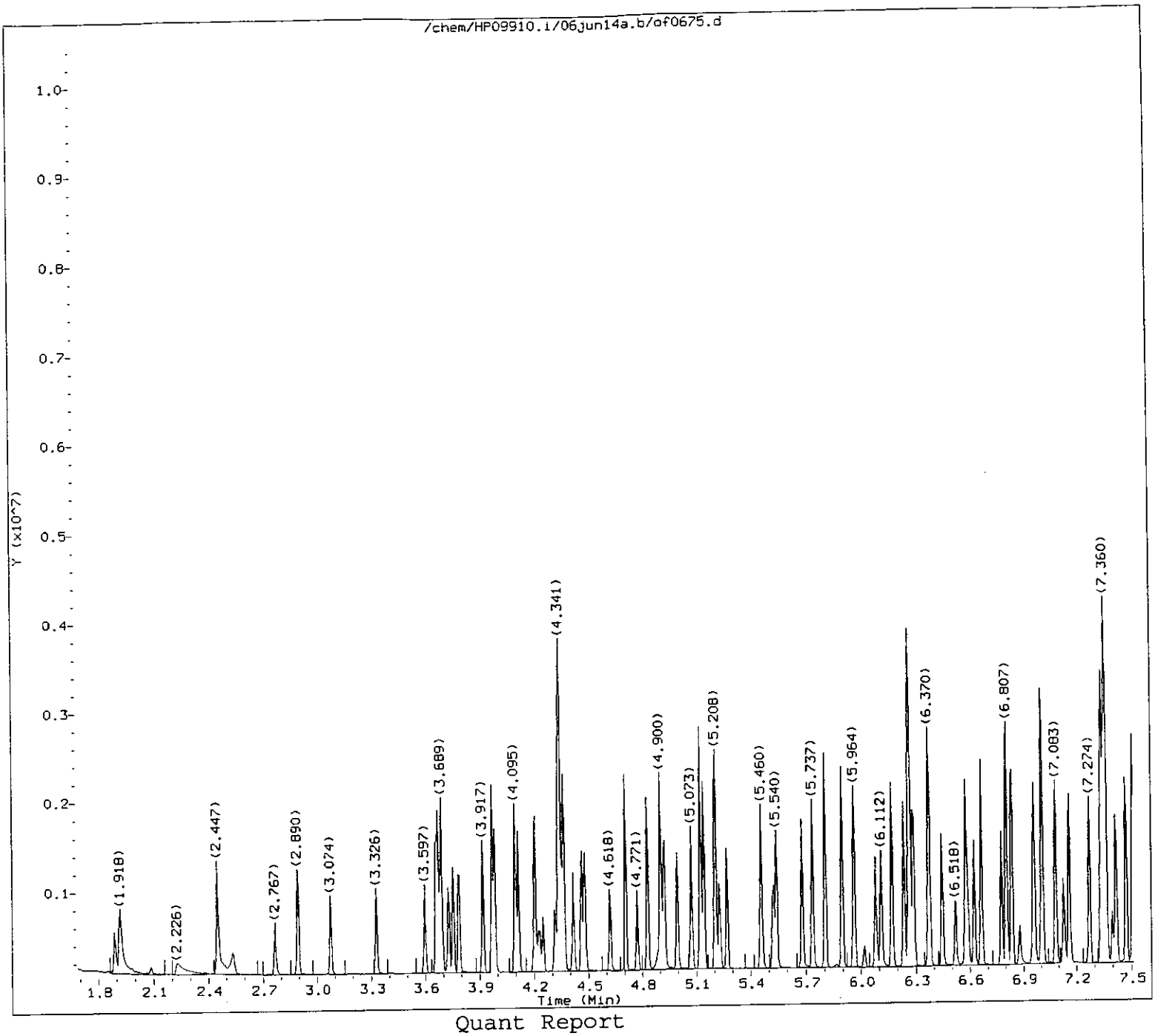
Data File: /chem/HP09910.i/06jun14a.b/of0674.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 00:27 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:58 rpb01568

Sample Name: SSTD050 Lab Sample ID: STD1576

	Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
148)	Butylbenzylphthalate	(5)	10.336	149	778308	51.165
153)	3,3'-Dichlorobenzidine	(5)	10.809	252	699031	51.593
154)	Benzo(a)anthracene	(5)	10.815	228	1774044	50.353
155)	Hexabromobenzene	(5)	10.821	552	15585	51.754
157)	4,4'-Methylenebis(2-Chloroanil	(5)	10.821	231	347346	51.996
156)	Chrysene-d12	(5)	10.821	240	1223285	40.000
158)	Chrysene	(5)	10.846	228	1750036	51.119
159)	bis(2-Ethylhexyl)phthalate	(5)	10.920	149	1072111	51.213
160)	6-Methylchrysene	(5)	11.295	242	1281896	50.535
161)	Di-n-octylphthalate	(6)	11.559	149	1859059	52.060
163)	7,12-Dimethylbenz[a]anthracene	(6)	11.854	256	900356	52.930
164)	Benzo(b)fluoranthene	(6)	11.854	252	1921882	51.218
165)	Benzo(k)fluoranthene	(6)	11.885	252	2043416	51.298
166)	Benzo(a)pyrene	(6)	12.156	252	1830188	50.922
167)	Perylene-d12	(6)	12.205	264	1205424	40.000
168)	3-Methylcholanthrene	(6)	12.488	268	1029511	51.372
169)	Dibenz(a,h)acridine	(6)	12.973	279	1556447	52.432
170)	Dibenz(a,j)acridine	(6)	13.023	279	1778828	51.488
171)	Indeno(1,2,3-cd)pyrene	(6)	13.182	276	2126248	52.002
172)	Dibenz(a,h)anthracene	(6)	13.213	278	1667841	51.406
173)	Benzo(g,h,i)perylene	(6)	13.447	276	1772726	51.044
7)	2-Fluorophenol	(1)	2.896	112	437808	51.291
10)	Phenol-d5	(1)	3.658	99	736490	51.885
11)	Phenol-d6	(1)	3.658	99	736490	51.885
35)	Nitrobenzene-d5	(2)	4.464	82	643978	50.856
71)	2-Fluorobiphenyl	(3)	6.167	172	859606	49.740
112)	2,4,6-Tribromophenol	(3)	7.569	330	120282	52.312
147)	Terphenyl-d14	(5)	9.825	244	1220507	50.958

M = Compound was manually integrated. A = User selected an alternate hit



Quant Report

Target Revision 3.5

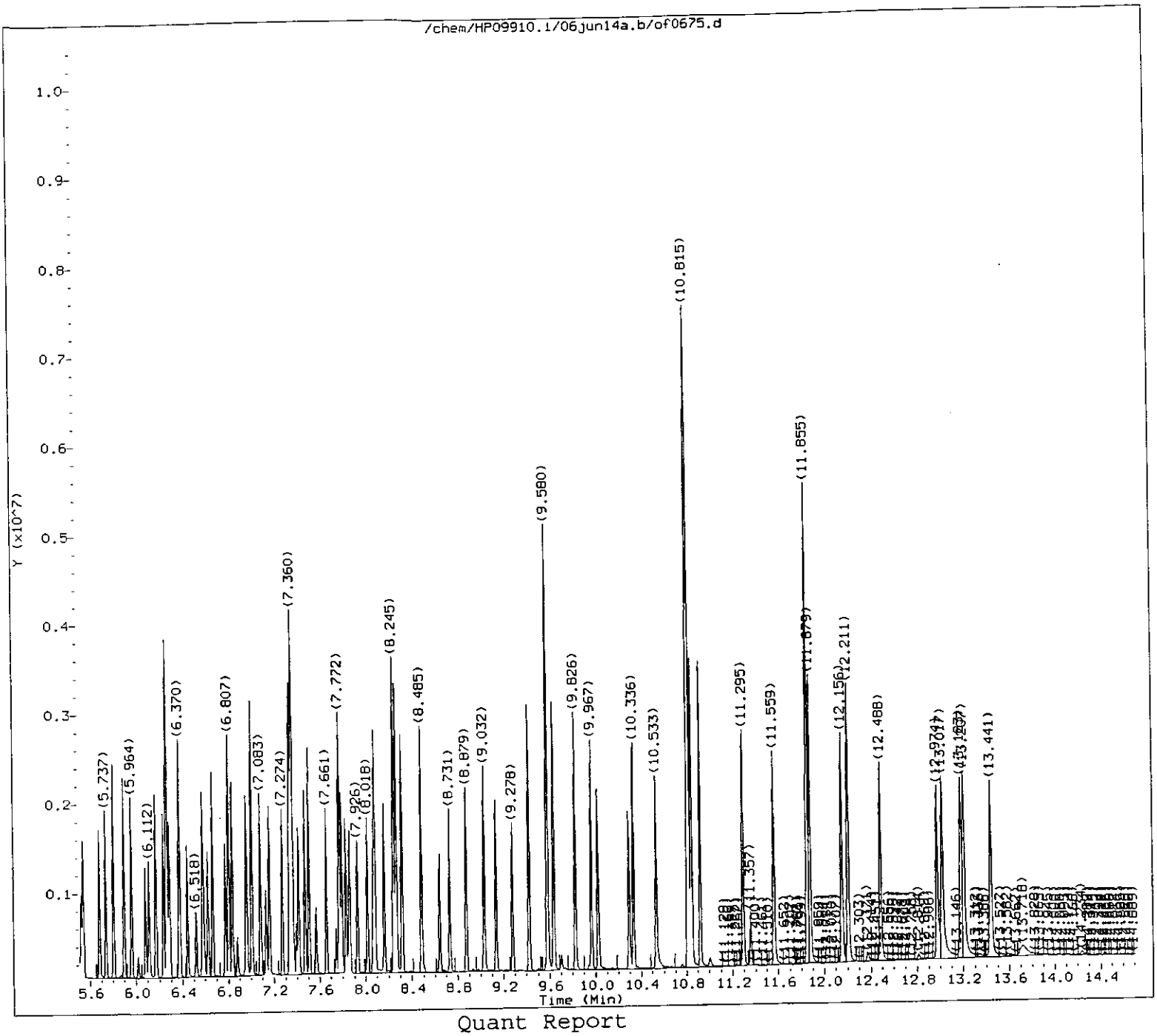
Data File: /chem/HP09910.i/06jun14a.b/of0675.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 00:55 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:58 rpb01568

Sample Name: SSTD030 Lab Sample ID: STD1576

6391

KR Bird 6-15-06



Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0675.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 00:55 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:58 rpb01568

Sample Name: SSTD030 Lab Sample ID: STD1576

8392

KR B1528
6-15-06

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0675.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 00:55 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:58 rpb01568

Sample Name: SSTD030 Lab Sample ID: STD1576

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
1) N-Nitrosodimethylamine	(1)	1.888	74	242427	30.424
2) Pyridine	(1)	1.918	79	441456	31.801
4) 2-Picoline	(1)	2.447	93	381252	29.188
12) Phenol	(1)	3.671	94	517462	30.346
13) Aniline	(1)	3.689	93	611404	30.371
17) bis(2-Chloroethyl)ether	(1)	3.751	93	365210	30.113
18) 2-Chlorophenol	(1)	3.788	128	226074	30.721
19) 1,3-Dichlorobenzene	(1)	3.917	146	232018	30.287
20) 1,4-Dichlorobenzene-d4	(1)	3.972	152	196927	40.000
21) 1,4-Dichlorobenzene	(1)	3.984	146	237937	30.160
24) Benzyl alcohol	(1)	4.095	108	221994	29.845
25) 1,2-Dichlorobenzene	(1)	4.113	146	228662	30.468
26) 2-Methylphenol	(1)	4.206	108	316769	30.529
27) 2,2'-oxybis(1-Chloropropane)	(1)	4.224	45	271891	30.273
28) bis(2-Chloroisopropyl)ether	(1)	4.224	45	271891	30.272
30) Acetophenone	(1)	4.329	105	460224	30.625
31) N-Nitroso-di-n-propylamine	(1)	4.341	70	298756	30.128
32) 4-Methylphenol	(1)	4.341	108	360779	30.709
33) o-Toluidine	(1)	4.359	106	511009	29.783
34) Hexachloroethane	(1)	4.415	117	104454	30.955
36) Nitrobenzene	(2)	4.482	77	403873	29.850
40) Isophorone	(2)	4.704	82	796413	29.696
41) 2-Nitrophenol	(2)	4.771	139	99953	31.334
42) 2,4-Dimethylphenol	(2)	4.827	107	322439	29.953
43) bis(2-Chloroethoxy)methane	(2)	4.925	93	391673	29.164
44) Benzoic acid	(2)	4.913	105	254330	38.665
45) 2,4-Dichlorophenol	(2)	4.993	162	169658	29.215
46) 1,2,4-Trichlorobenzene	(2)	5.073	180	195647	30.110
47) Naphthalene-d8	(2)	5.122	136	839396	40.000
48) Naphthalene	(2)	5.140	128	719114	30.056
49) 4-Chloroaniline	(2)	5.202	127	300985	30.080
50) 2,6-Dichlorophenol	(2)	5.208	162	165840	30.316
51) Hexachlorobutadiene	(2)	5.269	225	111987	30.109
52) Quinoline	(2)	5.460	129	468872	29.660
53) Caprolactam	(2)	5.528	113	118395	31.007
60) 4-Chloro-3-methylphenol	(2)	5.681	107	281110	30.108
61) 2-Methylnaphthalene	(2)	5.804	142	463583	29.895
62) 1-Methylnaphthalene	(2)	5.897	142	421391	29.516
66) Hexachlorocyclopentadiene	(3)	5.958	237	91478	29.937
67) 1,2,4,5-Tetrachlorobenzene	(3)	5.964	216	200938	30.533
68) 2,4,6-Trichlorophenol	(3)	6.081	196	115838	30.639
69) 2,4,5-Trichlorophenol	(3)	6.112	196	141299	29.959
72) Biphenyl	(3)	6.259	154	592602	30.589

M = Compound was manually integrated. A = User selected an alternate hit

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0675.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 00:55 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:58 rpb01568

Sample Name: SSTD030 Lab Sample ID: STD1576

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
73) Diphenyl	(3)	6.259	154	592602	30.589
74) 1,1'-Biphenyl	(3)	6.259	154	592602	30.589
75) 2-Chloronaphthalene	(3)	6.272	162	481573	25.513
76) 1-Chloronaphthalene	(3)	6.290	162	415673	24.923
77) Diphenyl ether	(3)	6.370	170	313052	29.943
79) 2-Nitroaniline	(3)	6.376	138	151809	30.380
80) Dimethylphthalate	(3)	6.579	163	509297	30.251
81) 2,6-Dinitrotoluene	(3)	6.622	165	112917	30.163
82) Acenaphthylene	(3)	6.665	152	717969	30.585
83) 3-Nitroaniline	(3)	6.776	138	139862	32.201
85) Acenaphthene-d10	(3)	6.807	164	506260	40.000
89) Acenaphthene	(3)	6.837	153	455212	30.203
90) 2,4-Dinitrophenol	(3)	6.880	184	44371	37.503
91) Pentachlorobenzene	(3)	6.960	250	198990	29.882
92) 4-Nitrophenol	(3)	6.954	109	95857	30.812
93) Dibenzofuran	(3)	7.003	168	678473	29.547
94) 2,4-Dinitrotoluene	(3)	7.009	165	142602	31.039
97) 1-Naphthylamine	(3)	7.083	143	478120	31.977
98) 2,3,4,6-Tetrachlorophenol	(3)	7.126	232	89319	29.063
99) 2-Naphthylamine	(3)	7.163	143	486209	31.008
100) Diethylphthalate	(3)	7.274	149	520057	29.882
102) Fluorene	(3)	7.335	166	545069	29.649
104) 4-Chlorophenyl-phenylether	(3)	7.360	204	269372	30.331
105) 4-Nitroaniline	(3)	7.366	138	155717	31.227
106) 4,6-Dinitro-2-methylphenol	(4)	7.397	198	50009	27.926
109) N-Nitrosodiphenylamine	(4)	7.471	169	409141	30.366
110) 1,2-Diphenylhydrazine	(4)	7.507	77	893185	30.337
114) Phorate	(4)	7.772	75	523114	30.452
116) 4-Bromophenyl-phenylether	(4)	7.827	248	148060	29.080
117) Hexachlorobenzene	(4)	7.864	284	182164	30.680
124) Pentachlorophenol	(4)	8.067	266	100383	38.633
125) Phenanthrene-d10	(4)	8.245	188	1051010	40.000
126) Phenanthrene	(4)	8.264	178	821557	30.128
127) Dinoseb	(4)	8.270	211	66790	28.026
130) Anthracene	(4)	8.313	178	865135	30.727
131) Carbazole	(4)	8.485	167	848781	31.067
133) Methyl parathion	(4)	8.645	109	207983	31.619
134) Ronnel	(4)	8.731	285	209173	30.632
137) Di-n-butylphthalate	(4)	8.879	149	914915	30.195
139) Parathion	(4)	9.032	109	139158	30.679
142) Fluoranthene	(4)	9.420	202	1037582	30.823
144) Benzidine	(5)	9.580	184	1689712	95.264
145) Pyrene	(5)	9.635	202	1079449	29.815

M = Compound was manually integrated. A = User selected an alternate hit

Quant Report

Target Revision 3.5

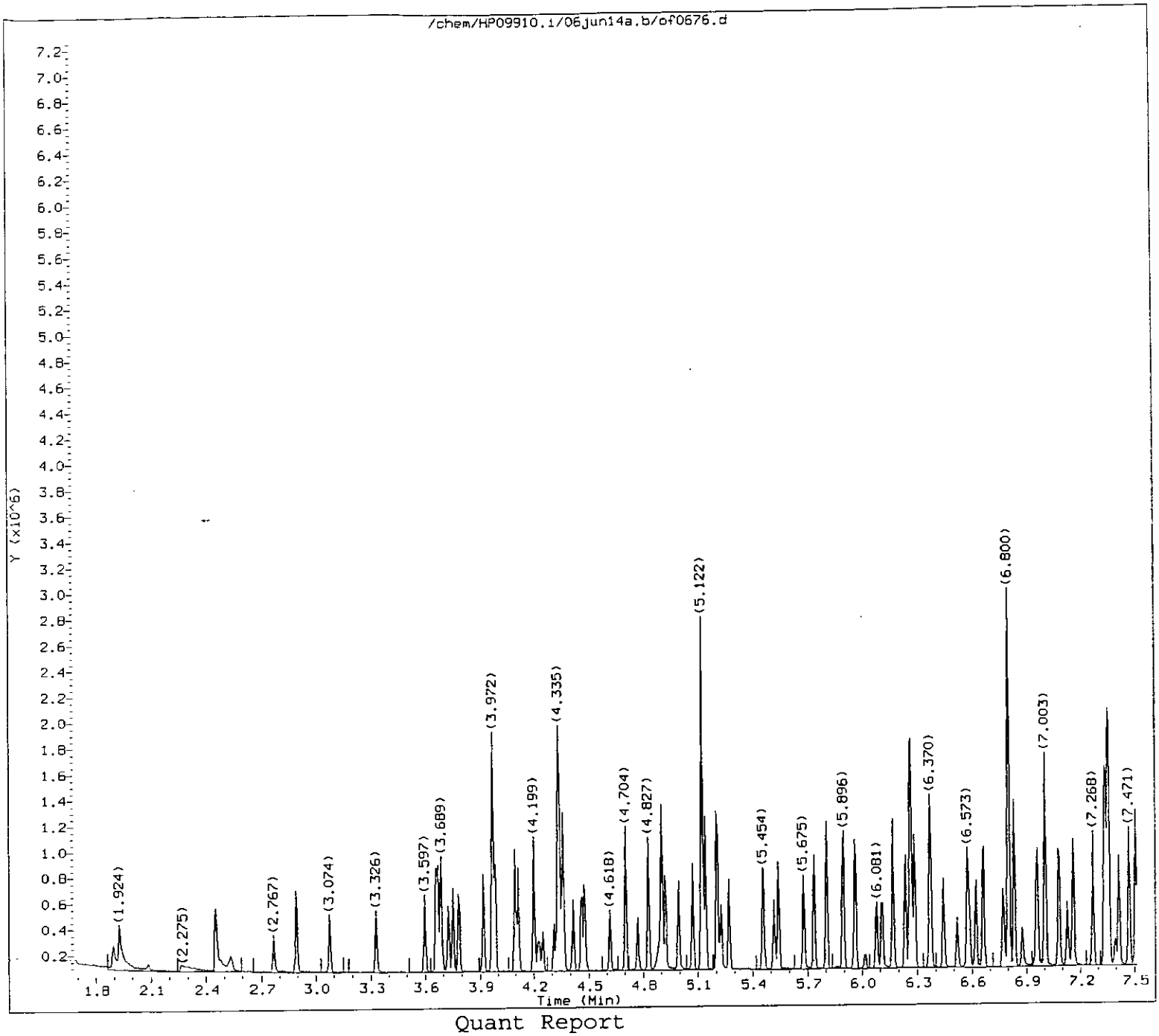
Data File: /chem/HP09910.i/06jun14a.b/of0675.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 00:55 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:58 rpb01568

Sample Name: SSTD030 Lab Sample ID: STD1576

	Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
148)	Butylbenzylphthalate	(5)	10.336	149	453744	29.994
153)	3,3'-Dichlorobenzidine	(5)	10.809	252	413198	30.665
154)	Benzo(a)anthracene	(5)	10.809	228	1034071	29.512
155)	Hexabromobenzene	(5)	10.822	552	9061	30.256
157)	4,4'-Methylenebis(2-Chloroanil	(5)	10.822	231	200207	30.135
156)	Chrysene-d12	(5)	10.822	240	1216561	40.000
158)	Chrysene	(5)	10.846	228	1011692	29.715
159)	bis(2-Ethylhexyl)phthalate	(5)	10.920	149	604815	29.051
160)	6-Methylchrysene	(5)	11.295	242	751835	29.803
161)	Di-n-octylphthalate	(6)	11.559	149	1048007	29.702
163)	7,12-Dimethylbenz[a]anthracene	(6)	11.855	256	520715	30.982
164)	Benzo(b)fluoranthene	(6)	11.855	252	1142229	30.808
165)	Benzo(k)fluoranthene	(6)	11.879	252	1171285	29.759
166)	Benzo(a)pyrene	(6)	12.156	252	1063900	29.959
167)	Perylene-d12	(6)	12.211	264	1191034	40.000
168)	3-Methylcholanthrene	(6)	12.488	268	597366	30.168
169)	Dibenz(a,h)acridine	(6)	12.974	279	888830	30.304
170)	Dibenz(a,j)acridine	(6)	13.017	279	1031652	30.222
171)	Indeno(1,2,3-cd)pyrene	(6)	13.183	276	1218213	30.154
172)	Dibenz(a,h)anthracene	(6)	13.207	278	971973	30.320
173)	Benzo(g,h,i)perylene	(6)	13.441	276	1021915	29.781
7)	2-Fluorophenol	(1)	2.896	112	269908	30.813
10)	Phenol-d5	(1)	3.658	99	439231	30.153
11)	Phenol-d6	(1)	3.658	99	439231	30.153
35)	Nitrobenzene-d5	(2)	4.464	82	385839	30.176
71)	2-Fluorobiphenyl	(3)	6.167	172	510513	30.275
112)	2,4,6-Tribromophenol	(3)	7.569	330	68386	30.482
147)	Terphenyl-d14	(5)	9.826	244	691962	29.050

M = Compound was manually integrated. A = User selected an alternate hit



Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0676.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 01:17 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:59 rpb01568

Sample Name: SSTD015 Lab Sample ID: STD1576

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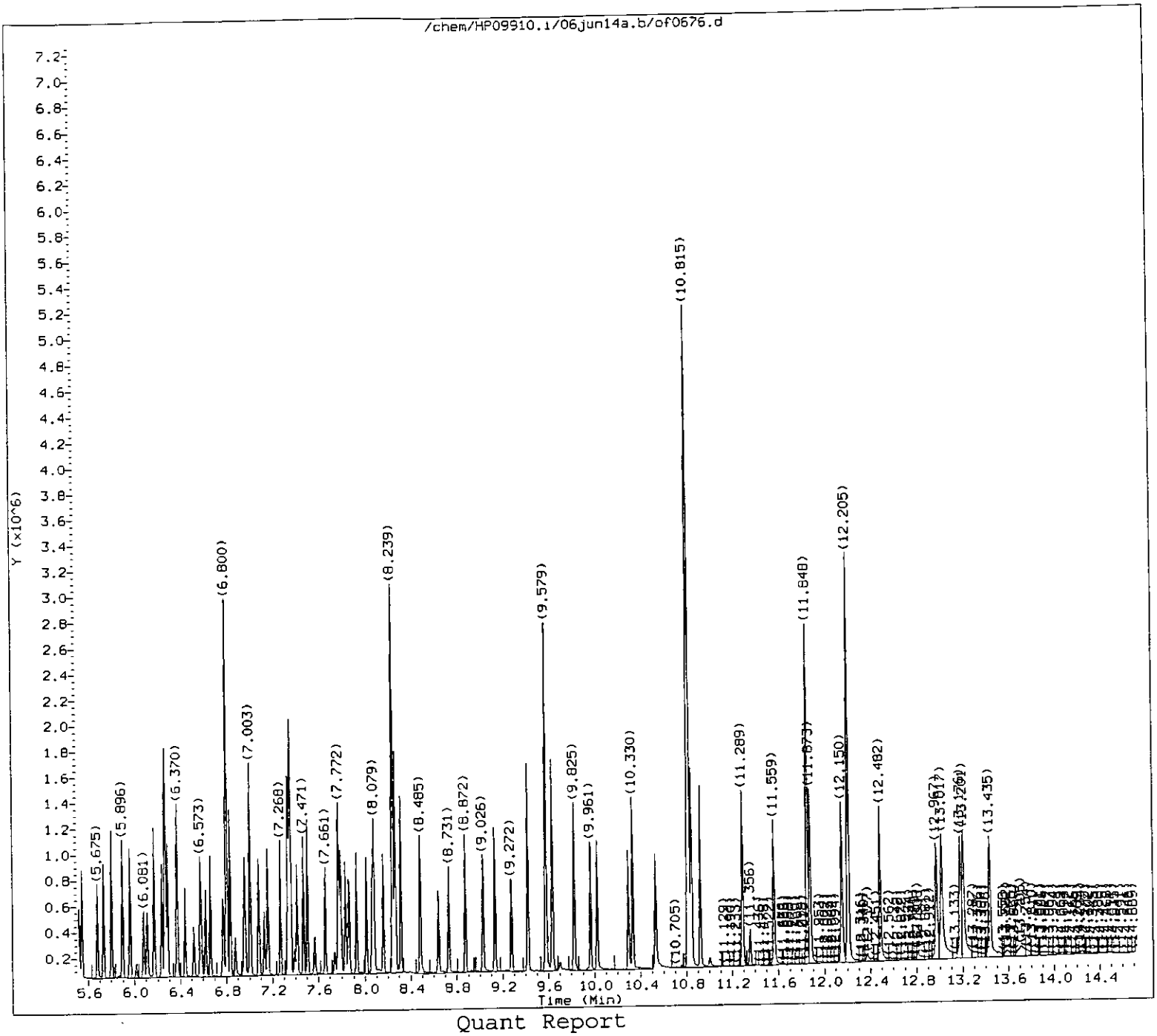
1-15-02



Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0676.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 01:17 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:59 rpb01568

Sample Name: SSTD015 Lab Sample ID: STD1576

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6-15-06

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0676.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 01:17 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:59 rpb01568

Sample Name: SSTD015 Lab Sample ID: STD1576

	Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
1)	N-Nitrosodimethylamine	(1)	1.894	74	112096	14.392
2)	Pyridine	(1)	1.924	79	199892	14.732
4)	2-Picoline	(1)	2.453	93	198835	15.574
12)	Phenol	(1)	3.671	94	254904	15.294
13)	Aniline	(1)	3.689	93	297716	15.130
17)	bis(2-Chloroethyl)ether	(1)	3.751	93	184235	15.542
18)	2-Chlorophenol	(1)	3.781	128	108809	15.127
19)	1,3-Dichlorobenzene	(1)	3.917	146	116958	15.619
20)	1,4-Dichlorobenzene-d4	(1)	3.972	152	192486	40.000
21)	1,4-Dichlorobenzene	(1)	3.984	146	115766	15.013
24)	Benzyl alcohol	(1)	4.095	108	105489	14.509
25)	1,2-Dichlorobenzene	(1)	4.113	146	114104	15.555
26)	2-Methylphenol	(1)	4.199	108	157551	15.535
27)	2,2'-oxybis(1-Chloropropane)	(1)	4.224	45	134270	15.295
28)	bis(2-Chloroisopropyl)ether	(1)	4.224	45	134270	15.294
30)	Acetophenone	(1)	4.329	105	224562	15.288
31)	N-Nitroso-di-n-propylamine	(1)	4.341	70	154329	15.923
32)	4-Methylphenol	(1)	4.335	108	175738	15.304
33)	o-Toluidine	(1)	4.359	106	260873	15.555
34)	Hexachloroethane	(1)	4.415	117	48466	14.694
36)	Nitrobenzene	(2)	4.476	77	203297	15.644
40)	Isophorone	(2)	4.704	82	399004	15.490
41)	2-Nitrophenol	(2)	4.771	139	46770	15.266
42)	2,4-Dimethylphenol	(2)	4.827	107	162367	15.704
43)	bis(2-Chloroethoxy)methane	(2)	4.919	93	205117	15.902
44)	Benzoic acid	(2)	4.900	105	184091	29.139
45)	2,4-Dichlorophenol	(2)	4.993	162	84407	15.134
46)	1,2,4-Trichlorobenzene	(2)	5.073	180	100699	16.136
47)	Naphthalene-d8	(2)	5.122	136	806203	40.000
48)	Naphthalene	(2)	5.140	128	354788	15.439
49)	4-Chloroaniline	(2)	5.202	127	150081	15.617
50)	2,6-Dichlorophenol	(2)	5.208	162	78309	14.904
51)	Hexachlorobutadiene	(2)	5.269	225	56495	15.814
52)	Quinoline	(2)	5.460	129	232838	15.335
53)	Caprolactam	(2)	5.515	113	57513	15.683
60)	4-Chloro-3-methylphenol	(2)	5.675	107	135932	15.158
61)	2-Methylnaphthalene	(2)	5.804	142	228389	15.335
62)	1-Methylnaphthalene	(2)	5.896	142	210906	15.381
66)	Hexachlorocyclopentadiene	(3)	5.958	237	42681	14.389
67)	1,2,4,5-Tetrachlorobenzene	(3)	5.964	216	96915	15.171
68)	2,4,6-Trichlorophenol	(3)	6.081	196	53651	14.619
69)	2,4,5-Trichlorophenol	(3)	6.112	196	66811	14.593
72)	Biphenyl	(3)	6.259	154	288120	15.321

M = Compound was manually integrated. A = User selected an alternate hit

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0676.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 01:17 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:59 rpb01568

Sample Name: SSTD015 Lab Sample ID: STD1576

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
73) Diphenyl	(3)	6.259	154	288120	15.321
74) 1,1'-Biphenyl	(3)	6.259	154	288120	15.321
75) 2-Chloronaphthalene	(3)	6.265	162	272072M	16.585
76) 1-Chloronaphthalene	(3)	6.284	162	209988M	15.460
77) Diphenyl ether	(3)	6.370	170	153907	15.165
79) 2-Nitroaniline	(3)	6.376	138	72033	14.850
80) Dimethylphthalate	(3)	6.573	163	248187	15.186
81) 2,6-Dinitrotoluene	(3)	6.622	165	53143	14.624
82) Acenaphthylene	(3)	6.665	152	343596	15.078
83) 3-Nitroaniline	(3)	6.776	138	62773	14.889
85) Acenaphthene-d10	(3)	6.800	164	491439	40.000
89) Acenaphthene	(3)	6.831	153	223626	15.285
90) 2,4-Dinitrophenol	(3)	6.880	184	29276	25.491
91) Pentachlorobenzene	(3)	6.960	250	98196	15.191
92) 4-Nitrophenol	(3)	6.954	109	47066	15.585
93) Dibenzofuran	(3)	7.003	168	341084	15.302
94) 2,4-Dinitrotoluene	(3)	7.009	165	65830	14.761
97) 1-Naphthylamine	(3)	7.083	143	227927	15.704
98) 2,3,4,6-Tetrachlorophenol	(3)	7.126	232	44101	14.782
99) 2-Naphthylamine	(3)	7.157	143	237417	15.598
100) Diethylphthalate	(3)	7.268	149	255528	15.125
102) Fluorene	(3)	7.335	166	270114	15.136
104) 4-Chlorophenyl-phenylether	(3)	7.354	204	131611	15.266
105) 4-Nitroaniline	(3)	7.360	138	72789	15.037
106) 4,6-Dinitro-2-methylphenol	(4)	7.397	198	21664	12.790
109) N-Nitrosodiphenylamine	(4)	7.471	169	195421	15.334
110) 1,2-Diphenylhydrazine	(4)	7.507	77	422799	15.182
114) Phorate	(4)	7.772	75	246334	15.161
116) 4-Bromophenyl-phenylether	(4)	7.827	248	77124	16.015
117) Hexachlorobenzene	(4)	7.864	284	86362	15.377
124) Pentachlorophenol	(4)	8.061	266	69197	28.155
125) Phenanthrene-d10	(4)	8.245	188	994126	40.000
126) Phenanthrene	(4)	8.264	178	398627	15.455
127) Dinoseb	(4)	8.264	211	25686	11.395
130) Anthracene	(4)	8.313	178	412364	15.484
131) Carbazole	(4)	8.485	167	392696	15.196
133) Methyl parathion	(4)	8.639	109	99608	16.010
134) Ronnel	(4)	8.731	285	104591	16.193
137) Di-n-butylphthalate	(4)	8.872	149	425315	14.840
139) Parathion	(4)	9.032	109	64396	15.009
142) Fluoranthene	(4)	9.420	202	491308	15.430
144) Benzidine	(5)	9.579	184	791509	47.951
145) Pyrene	(5)	9.635	202	510470	15.150

M = Compound was manually integrated. A = User selected an alternate hit

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0676.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 01:17 Analyst ID: lmh00956

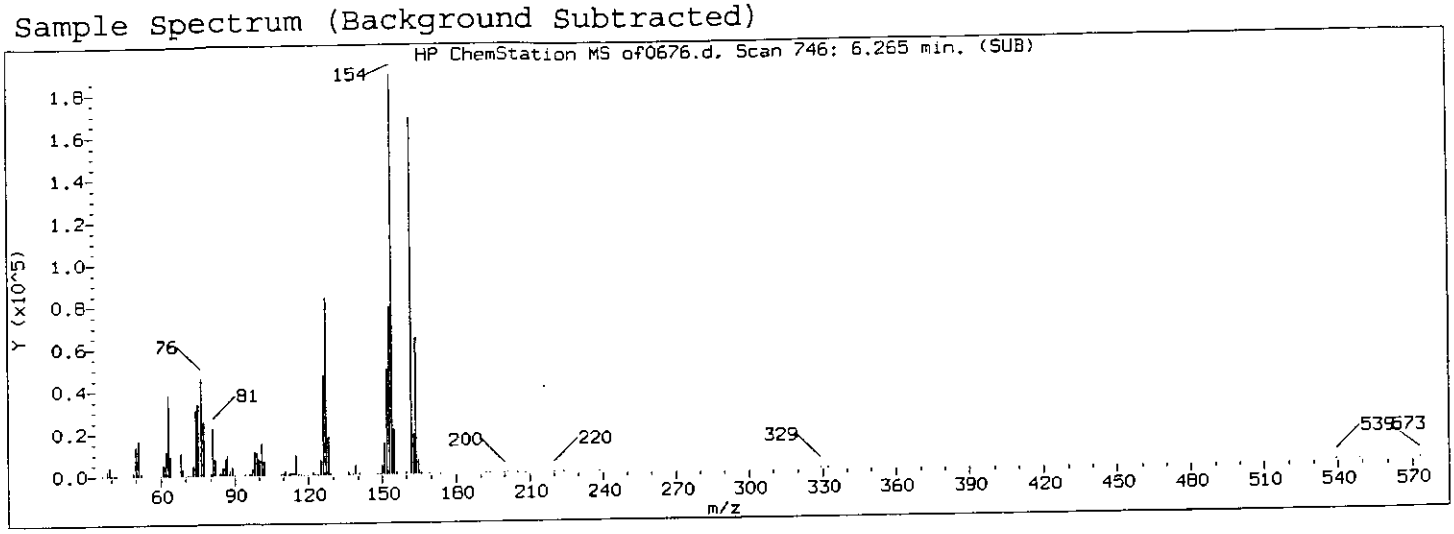
Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:59 rpb01568

Sample Name: SSTD015 Lab Sample ID: STD1576

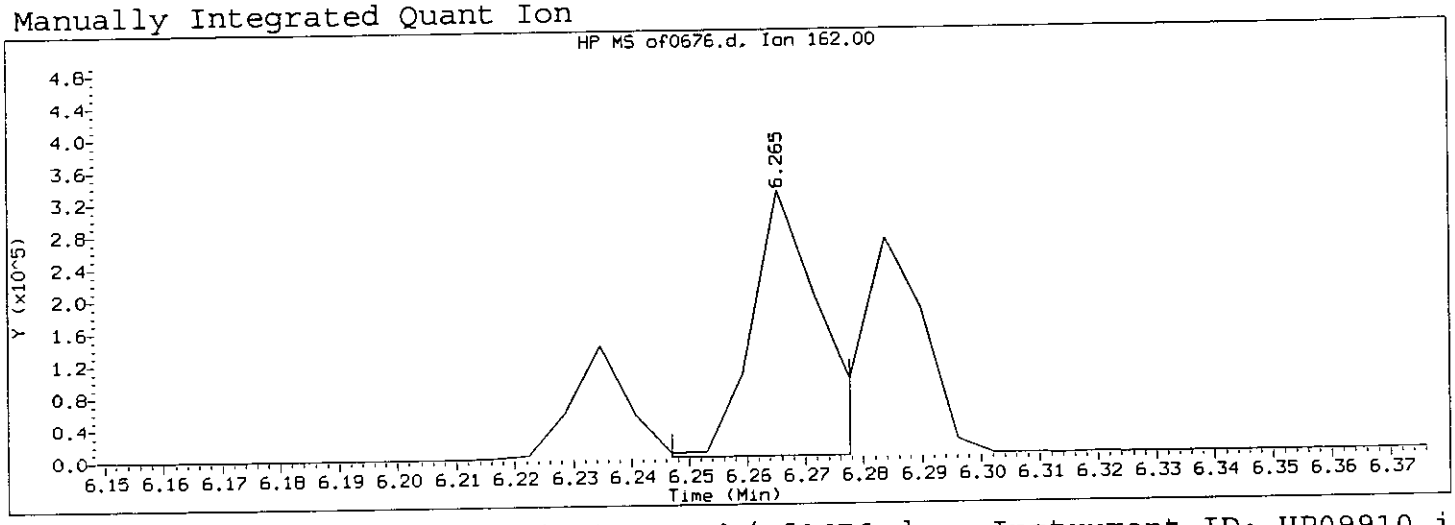
Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
148) Butylbenzylphthalate	(5)	10.330	149	210485	14.951
153) 3,3'-Dichlorobenzidine	(5)	10.809	252	190402	15.184
154) Benzo(a)anthracene	(5)	10.809	228	499007	15.303
155) Hexabromobenzene	(5)	10.822	552	3544	12.716
157) 4,4'-Methylenebis(2-Chloroanil	(5)	10.822	231	91401	14.783
156) Chrysene-d12	(5)	10.822	240	1132170	40.000
158) Chrysene	(5)	10.846	228	489034	15.434
159) bis(2-Ethylhexyl)phthalate	(5)	10.920	149	280742	14.490
160) 6-Methylchrysene	(5)	11.289	242	354616	15.105
161) Di-n-octylphthalate	(6)	11.559	149	475381	14.457
163) 7,12-Dimethylbenz[a]anthracene	(6)	11.848	256	249086	15.902
164) Benzo(b)fluoranthene	(6)	11.848	252	507344	14.683
165) Benzo(k)fluoranthene	(6)	11.873	252	576047	15.704
166) Benzo(a)pyrene	(6)	12.150	252	504435	15.242
167) Perylene-d12	(6)	12.205	264	1110001	40.000
168) 3-Methylcholanthrene	(6)	12.482	268	281676	15.264
169) Dibenz(a,h)acridine	(6)	12.967	279	400362	14.646
170) Dibenz(a,j)acridine	(6)	13.017	279	499435	15.699
171) Indeno(1,2,3-cd)pyrene	(6)	13.176	276	572417	15.203
172) Dibenz(a,h)anthracene	(6)	13.201	278	457205	15.303
173) Benzo(g,h,i)perylene	(6)	13.435	276	498552	15.589
7) 2-Fluorophenol	(1)	2.890	112	127077	14.842
10) Phenol-d5	(1)	3.658	99	219488	15.415
11) Phenol-d6	(1)	3.658	99	219488	15.415
35) Nitrobenzene-d5	(2)	4.464	82	189540	15.434
71) 2-Fluorobiphenyl	(3)	6.167	172	255490	15.608
112) 2,4,6-Tribromophenol	(3)	7.569	330	31671	14.543
147) Terphenyl-d14	(5)	9.825	244	335812	15.149

M = Compound was manually integrated. A = User selected an alternate hit

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP09910.i/06jun14a.b/of0676.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 01:17 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:59 rpb01568

Sample Name: SSTD015 Lab Sample ID: STD1576

Compound Number	: 75
Compound Name	: 2-Chloronaphthalene
Scan Number	: 746
Retention Time (minutes)	: 6.265
Quant Ion	: 162
Area (flag)	: 272072 M
Concentration (ng/ul)	: 16.5847
Integration start scan	: 742 Integration stop scan: 747
Y at integration start	: 0 Y at integration end: 0

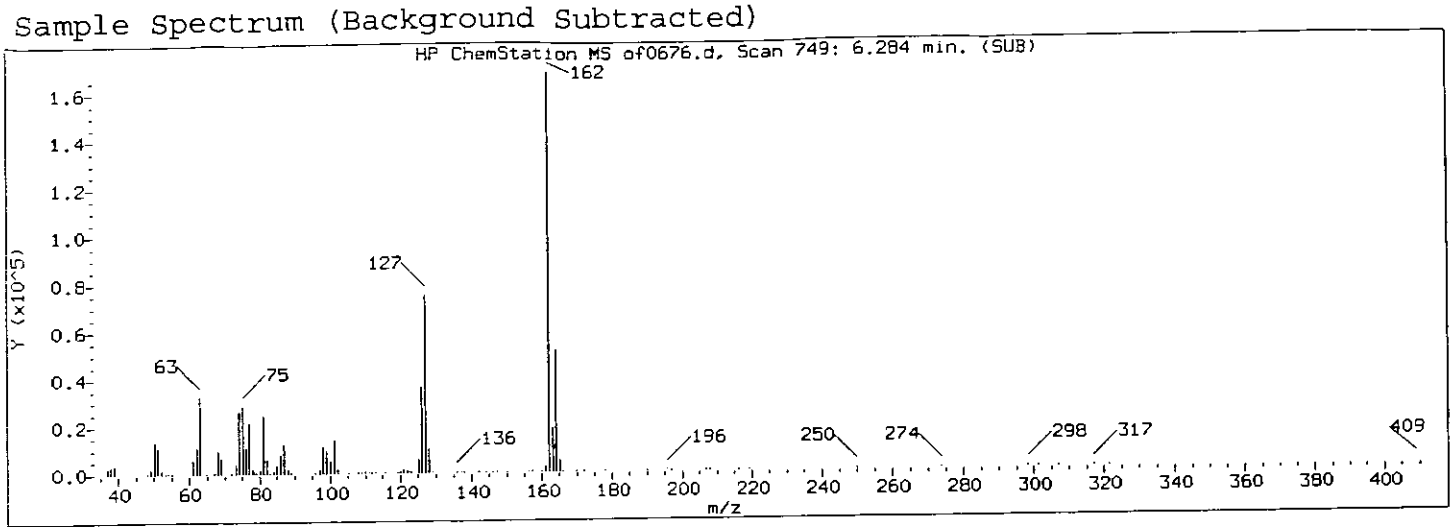
Reason for manual integration (circle one): missed peak (improper integration)

Analyst responsible for change: KB 6-15-06

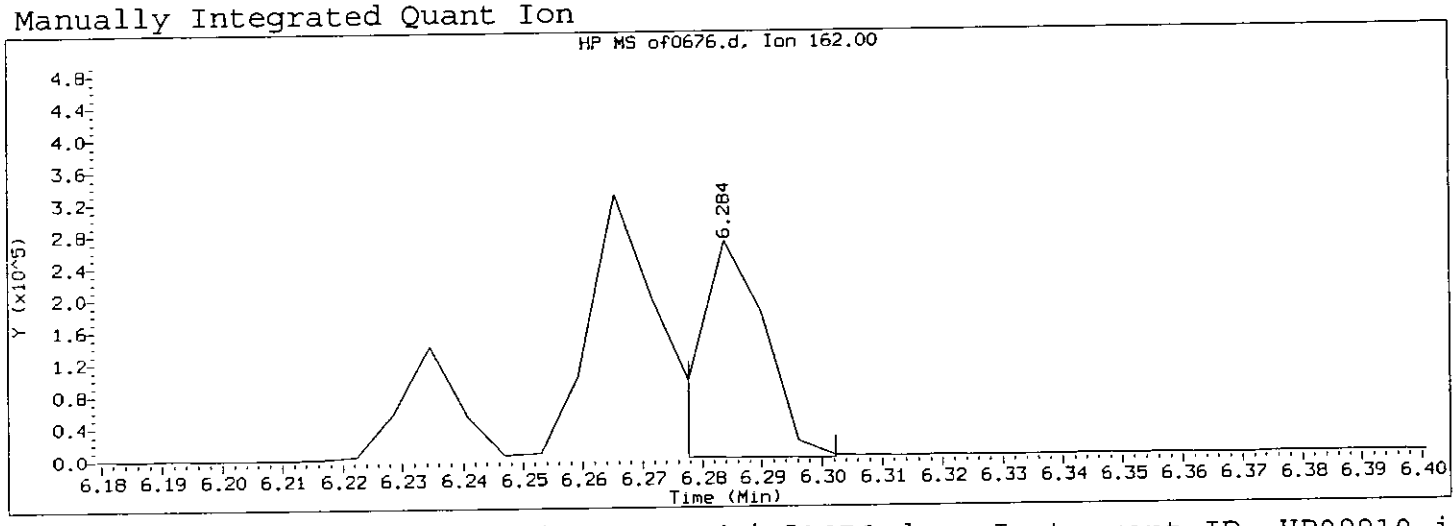
GC/MS audit/management approval: 6/15/06

Manual Integration Report for data file /chem/HP09910.i/06jun14a.b/of0676.d, generated on 06/15/2006 at 06:59

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP09910.i/06jun14a.b/of0676.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 01:17 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:58
Date, time and analyst ID of latest file update: 15-Jun-2006 06:59 rpb01568

Sample Name: SSTD015 Lab Sample ID: STD1576

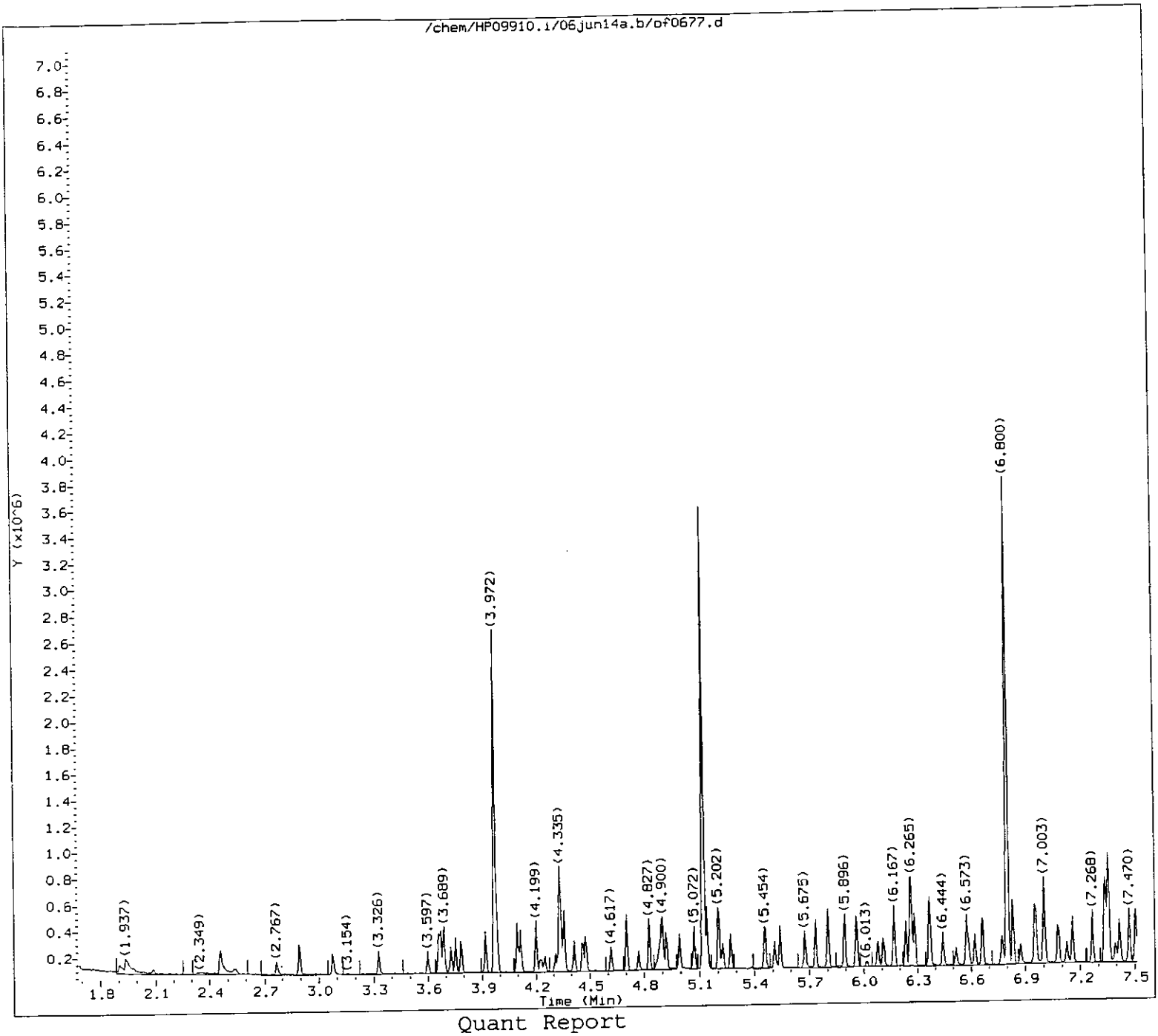
Compound Number	: 76		
Compound Name	: 1-Chloronaphthalene		
Scan Number	: 749		
Retention Time (minutes)	: 6.284		
Quant Ion	: 162		
Area (flag)	: 209988	M	
Concentration (ng/ul)	: 15.4601		
Integration start scan	: 747	Integration stop scan:	751
Y at integration start	: -136	Y at integration end:	-1965

Reason for manual integration (circle one): missed peak improper integration

Analyst responsible for change: RBiers 6-15-06

GC/MS audit/management approval: 6/15/06

Manual Integration Report for data file /chem/HP09910.i/06jun14a.b/of0676.d, generated on 06/15/2006 at 06:59



Quant Report

Target Revision 3.5

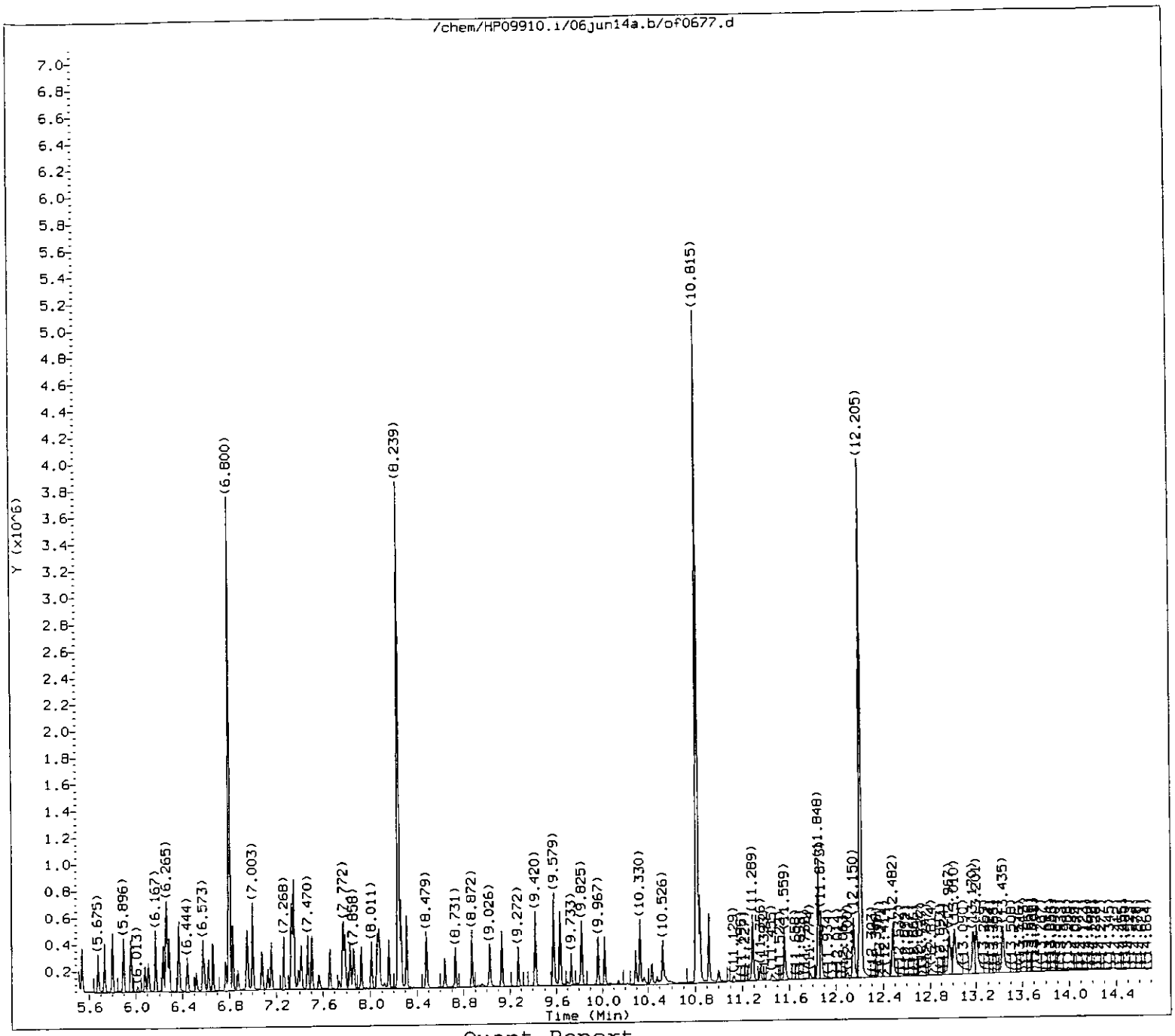
Data File: /chem/HP09910.i/06jun14a.b/of0677.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 01:39 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:59
Date, time and analyst ID of latest file update: 15-Jun-2006 06:59 rpb01568

Sample Name: SSTD005 Lab Sample ID: STD1576

6463

RB 10-25 6-15-06



Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0677.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 01:39 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:59
Date, time and analyst ID of latest file update: 15-Jun-2006 06:59 rpb01568

Sample Name: SSTD005 Lab Sample ID: STD1576

8484

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C-1520 C

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0677.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 01:39 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:59
Date, time and analyst ID of latest file update: 15-Jun-2006 06:59 rpb01568

Sample Name: SSTD005 Lab Sample ID: STD1576

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
1) N-Nitrosodimethylamine	(1)	1.906	74	43127	4.148
2) Pyridine	(1)	1.937	79	77046 A	4.254
4) 2-Picoline	(1)	2.459	93	77247	4.532
12) Phenol	(1)	3.671	94	97217	4.369
13) Aniline	(1)	3.689	93	120006	4.569
17) bis(2-Chloroethyl)ether	(1)	3.750	93	73255	4.629
18) 2-Chlorophenol	(1)	3.781	128	42574	4.434
19) 1,3-Dichlorobenzene	(1)	3.917	146	47692	4.771
20) 1,4-Dichlorobenzene-d4	(1)	3.972	152	256959	40.000
21) 1,4-Dichlorobenzene	(1)	3.984	146	50263	4.883
24) Benzyl alcohol	(1)	4.095	108	42560	4.385
25) 1,2-Dichlorobenzene	(1)	4.113	146	45193	4.615
26) 2-Methylphenol	(1)	4.199	108	60236	4.449
27) 2,2'-oxybis(1-Chloropropane)	(1)	4.224	45	55027	4.695
28) bis(2-Chloroisopropyl)ether	(1)	4.224	45	55027	4.695
30) Acetophenone	(1)	4.328	105	88059	4.491
31) N-Nitroso-di-n-propylamine	(1)	4.335	70	59250	4.579
32) 4-Methylphenol	(1)	4.335	108	66781	4.356
33) o-Toluidine	(1)	4.359	106	101809	4.547
34) Hexachloroethane	(1)	4.415	117	20247	4.598
36) Nitrobenzene	(2)	4.476	77	79192	4.657
40) Isophorone	(2)	4.704	82	155990	4.628
41) 2-Nitrophenol	(2)	4.771	139	16170	4.033
42) 2,4-Dimethylphenol	(2)	4.827	107	59124	4.370
43) bis(2-Chloroethoxy)methane	(2)	4.919	93	78749	4.666
44) Benzoic acid	(2)	4.888	105	96289	11.647
45) 2,4-Dichlorophenol	(2)	4.993	162	33843	4.637
46) 1,2,4-Trichlorobenzene	(2)	5.072	180	38738	4.744
47) Naphthalene-d8	(2)	5.122	136	1054970	40.000
48) Naphthalene	(2)	5.140	128	142563	4.741
49) 4-Chloroaniline	(2)	5.202	127	57944	4.608
50) 2,6-Dichlorophenol	(2)	5.208	162	32362	4.707
51) Hexachlorobutadiene	(2)	5.269	225	21671	4.636
52) Quinoline	(2)	5.460	129	93299	4.696
53) Caprolactam	(2)	5.509	113	20793	4.333
60) 4-Chloro-3-methylphenol	(2)	5.675	107	49526	4.221
61) 2-Methylnaphthalene	(2)	5.804	142	89850	4.610
62) 1-Methylnaphthalene	(2)	5.896	142	84290	4.698
66) Hexachlorocyclopentadiene	(3)	5.958	237	13801	3.650
67) 1,2,4,5-Tetrachlorobenzene	(3)	5.964	216	37644	4.622
68) 2,4,6-Trichlorophenol	(3)	6.081	196	20668	4.417
69) 2,4,5-Trichlorophenol	(3)	6.105	196	28104	4.815
72) Biphenyl	(3)	6.259	154	113523	4.735

M = Compound was manually integrated. A = User selected an alternate hit

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0677.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 01:39 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:59
Date, time and analyst ID of latest file update: 15-Jun-2006 06:59 rpb01568

Sample Name: SSTD005 Lab Sample ID: STD1576

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
73) Diphenyl	(3)	6.259	154	113523	4.735
74) 1,1'-Biphenyl	(3)	6.259	154	113523	4.735
75) 2-Chloronaphthalene	(3)	6.265	162	107917M	5.160
76) 1-Chloronaphthalene	(3)	6.284	162	78932M	4.558
77) Diphenyl ether	(3)	6.370	170	62788	4.853
79) 2-Nitroaniline	(3)	6.376	138	26157	4.230
80) Dimethylphthalate	(3)	6.573	163	95108	4.565
81) 2,6-Dinitrotoluene	(3)	6.622	165	20624	4.452
82) Acenaphthylene	(3)	6.665	152	130760	4.501
83) 3-Nitroaniline	(3)	6.769	138	21006	3.908
85) Acenaphthene-d10	(3)	6.800	164	626520	40.000
89) Acenaphthene	(3)	6.831	153	85918	4.606
90) 2,4-Dinitrophenol	(3)	6.874	184	15019	10.258
91) Pentachlorobenzene	(3)	6.960	250	40075	4.863
92) 4-Nitrophenol	(3)	6.954	109	32105	8.339
93) Dibenzofuran	(3)	7.003	168	134940	4.748
94) 2,4-Dinitrotoluene	(3)	7.003	165	20699	3.641
97) 1-Naphthylamine	(3)	7.077	143	70503	3.810
98) 2,3,4,6-Tetrachlorophenol	(3)	7.126	232	15638	4.112
99) 2-Naphthylamine	(3)	7.157	143	83424	4.299
100) Diethylphthalate	(3)	7.268	149	94736	4.399
102) Fluorene	(3)	7.335	166	104185	4.579
104) 4-Chlorophenyl-phenylether	(3)	7.354	204	52406	4.768
105) 4-Nitroaniline	(3)	7.360	138	26130	4.234
106) 4,6-Dinitro-2-methylphenol	(4)	7.397	198	14826	6.851
109) N-Nitrosodiphenylamine	(4)	7.470	169	76290	4.685
110) 1,2-Diphenylhydrazine	(4)	7.507	77	161827	4.548
114) Phorate	(4)	7.772	75	92660	4.463
116) 4-Bromophenyl-phenylether	(4)	7.827	248	28717	4.667
117) Hexachlorobenzene	(4)	7.858	284	34561	4.817
124) Pentachlorophenol	(4)	8.061	266	37229	11.856
125) Phenanthrene-d10	(4)	8.239	188	1270137	40.000
126) Phenanthrene	(4)	8.264	178	152005	4.613
127) Dinoseb	(4)	8.264	211	7715	2.679
130) Anthracene	(4)	8.313	178	150513	4.423
131) Carbazole	(4)	8.479	167	147597	4.470
133) Methyl parathion	(4)	8.639	109	31823	4.003
134) Ronnel	(4)	8.731	285	37400	4.532
137) Di-n-butylphthalate	(4)	8.872	149	158196	4.320
139) Parathion	(4)	9.032	109	20316	3.706
142) Fluoranthene	(4)	9.420	202	178193	4.380
144) Benzidine	(5)	9.579	184	232666	11.287
145) Pyrene	(5)	9.635	202	180524	4.290

M = Compound was manually integrated. A = User selected an alternate hit

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0677.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 01:39 Analyst ID: lmh00956

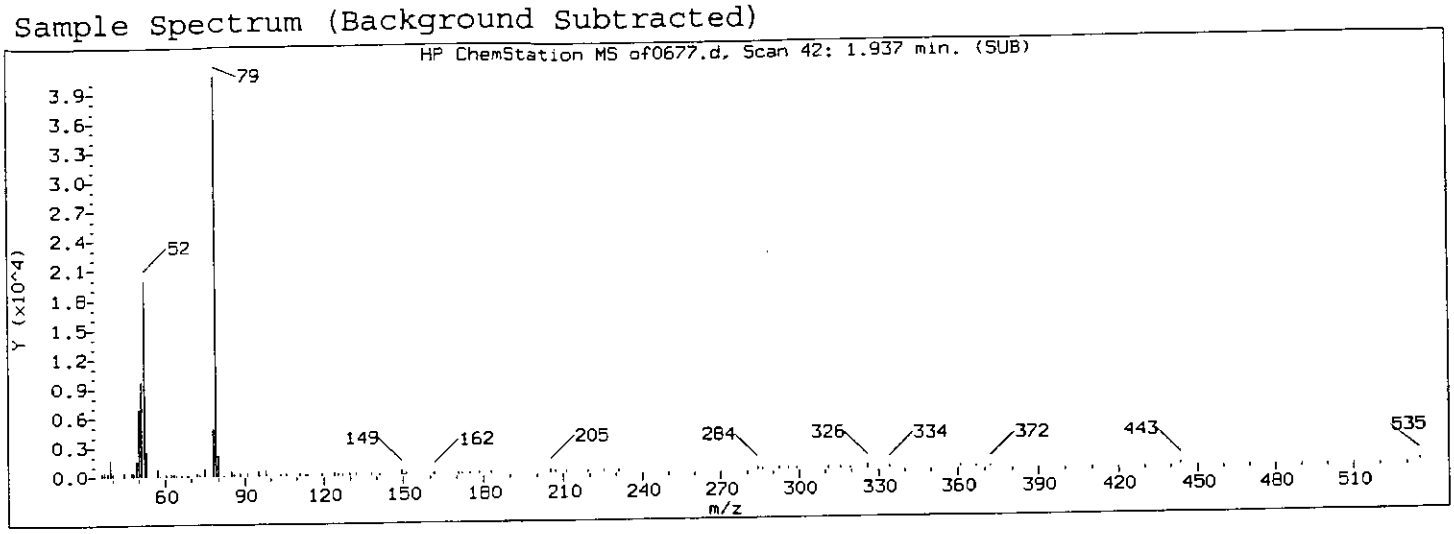
Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:59
Date, time and analyst ID of latest file update: 15-Jun-2006 06:59 rpb01568

Sample Name: SSTD005 Lab Sample ID: STD1576

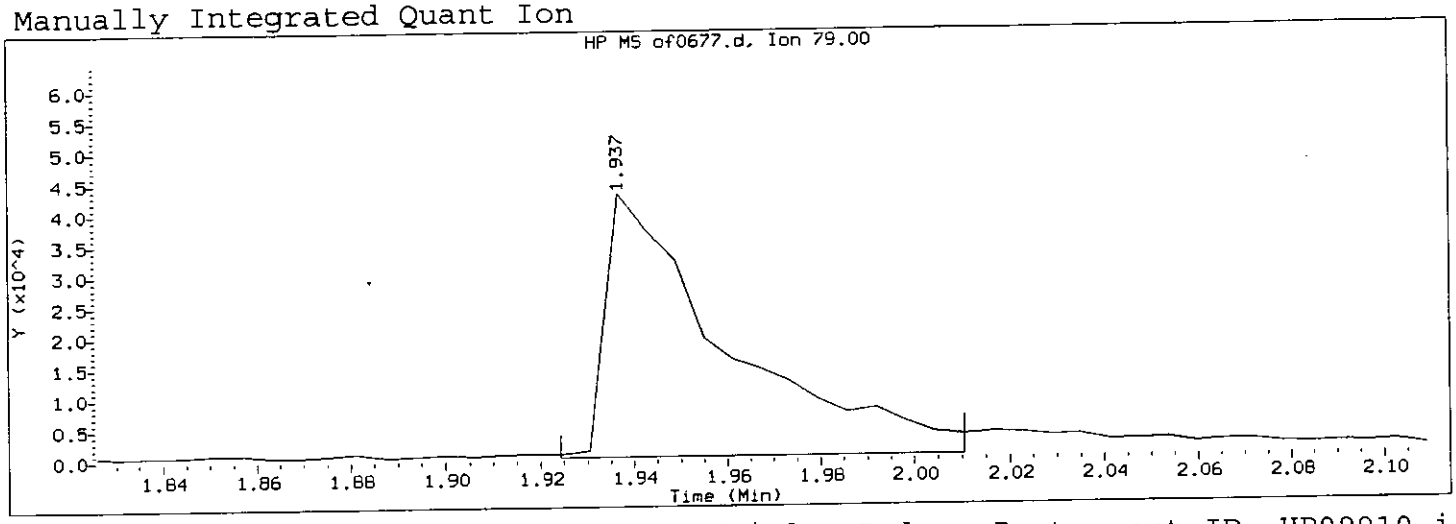
Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
148) Butylbenzylphthalate	(5)	10.330	149	75268	4.281
153) 3,3'-Dichlorobenzidine	(5)	10.809	252	68339	4.364
154) Benzo(a)anthracene	(5)	10.809	228	187867	4.614
155) Hexabromobenzene	(5)	10.815	552	1418	4.074
157) 4,4'-Methylenebis(2-Chloroanil	(5)	10.821	231	34989	4.532
156) Chrysene-d12	(5)	10.815	240	1413818	40.000
158) Chrysene	(5)	10.840	228	181942	4.598
159) bis(2-Ethylhexyl)phthalate	(5)	10.920	149	105061	4.342
160) 6-Methylchrysene	(5)	11.289	242	134474	4.587
161) Di-n-octylphthalate	(6)	11.559	149	164750	3.932
163) 7,12-Dimethylbenz[a]anthracene	(6)	11.848	256	67167	3.366
164) Benzo(b)fluoranthene	(6)	11.848	252	186445	4.235
165) Benzo(k)fluoranthene	(6)	11.873	252	205804	4.404
166) Benzo(a)pyrene	(6)	12.150	252	186083	4.413
167) Perylene-d12	(6)	12.205	264	1414183	40.000
168) 3-Methylcholanthrene	(6)	12.482	268	100944	4.293
169) Dibenz(a,h)acridine	(6)	12.967	279	135417	3.888
170) Dibenz(a,j)acridine	(6)	13.010	279	176906	4.365
171) Indeno(1,2,3-cd)pyrene	(6)	13.176	276	205954	4.294
172) Dibenz(a,h)anthracene	(6)	13.201	278	163107	4.285
173) Benzo(g,h,i)perylene	(6)	13.435	276	178106	4.371
7) 2-Fluorophenol	(1)	2.890	112	53220	4.656
10) Phenol-d5	(1)	3.658	99	84448	4.443
11) Phenol-d6	(1)	3.658	99	84448	4.443
35) Nitrobenzene-d5	(2)	4.458	82	73881	4.597
71) 2-Fluorobiphenyl	(3)	6.167	172	96748	4.636
112) 2,4,6-Tribromophenol	(3)	7.569	330	10833	3.902
147) Terphenyl-d14	(5)	9.825	244	121993	4.407

M = Compound was manually integrated. A = User selected an alternate hit

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP09910.i/06jun14a.b/of0677.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 01:39 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:59
Date, time and analyst ID of latest file update: 15-Jun-2006 06:59 rpb01568

Sample Name: SSTD005 Lab Sample ID: STD1576

Compound Number	: 2
Compound Name	: Pyridine
Scan Number	: 42
Retention Time (minutes)	: 1.937
Quant Ion	: 79
Area (flag)	: 77046A
Concentration (ng/ul)	: 4.2535
Integration start scan	: 39
Integration stop scan	: 53
Y at integration start	: 175
Y at integration end	: 175

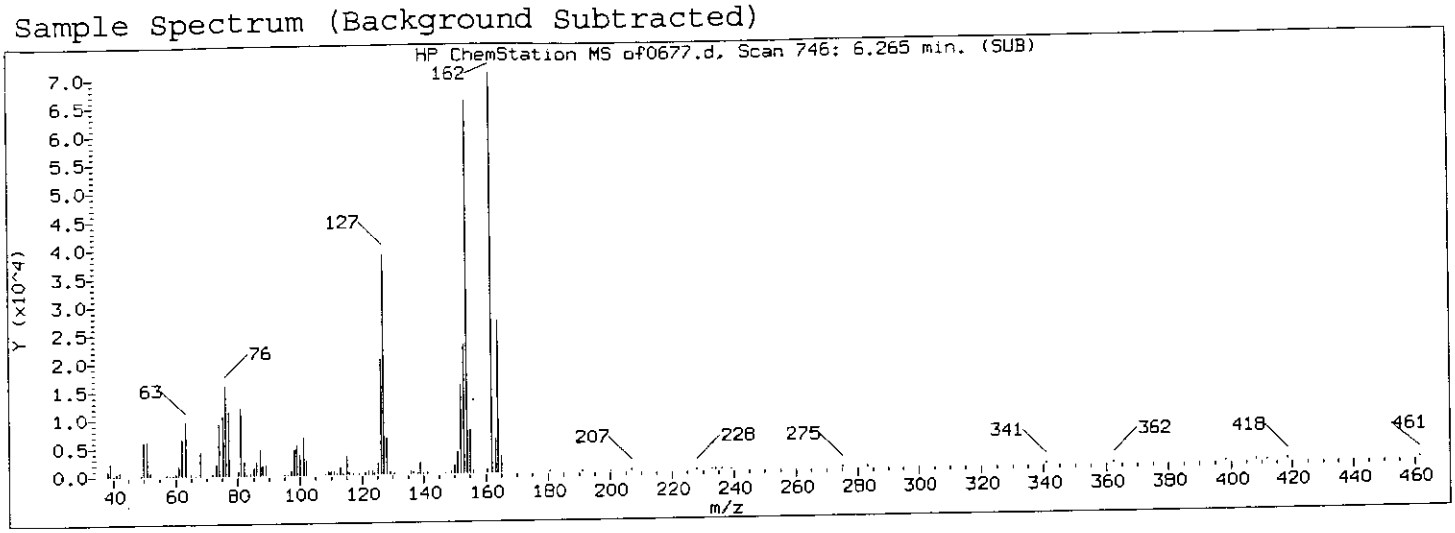
Reason for manual integration (circle one): missed peak improper integration

Analyst responsible for change: RBiss 6-15-06

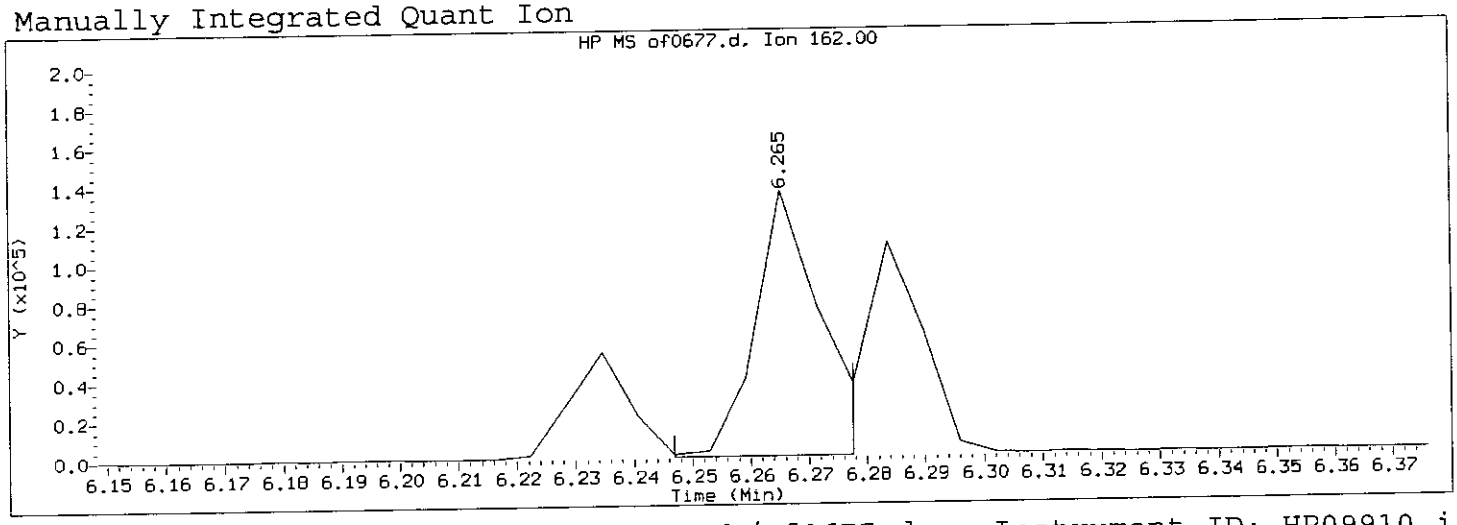
GC/MS audit/management approval: 6/15/06

Manual Integration Report for data file /chem/HP09910.i/06jun14a.b/of0677.d, generated on 06/15/2006 at 06:59

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP09910.i/06jun14a.b/of0677.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 01:39 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:59
Date, time and analyst ID of latest file update: 15-Jun-2006 06:59 rpb01568

Sample Name: SSTD005 Lab Sample ID: STD1576

Compound Number	:	75
Compound Name	:	2-Chloronaphthalene
Scan Number	:	746
Retention Time (minutes)	:	6.265
Quant Ion	:	162
Area (flag)	:	107917 M
Concentration (ng/ul)	:	5.1600
Integration start scan	:	742 Integration stop scan: 747
Y at integration start	:	0 Y at integration end: 0

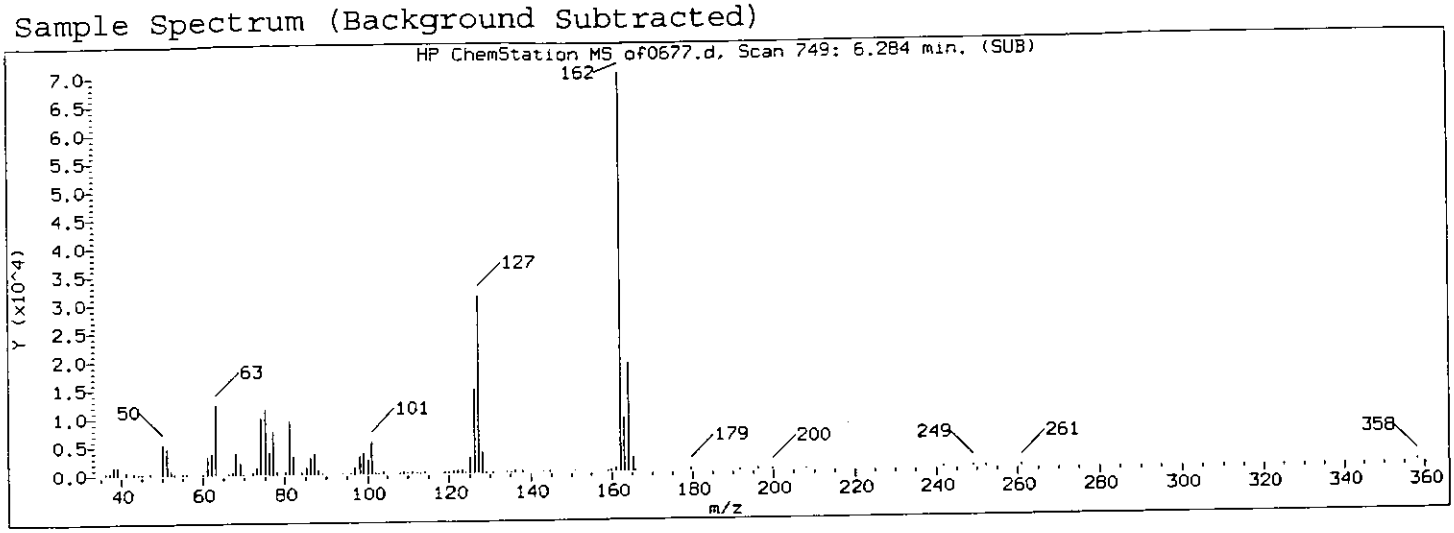
Reason for manual integration (circle one): missed peak (improper integration)

Analyst responsible for change: RBMS 6-15-06

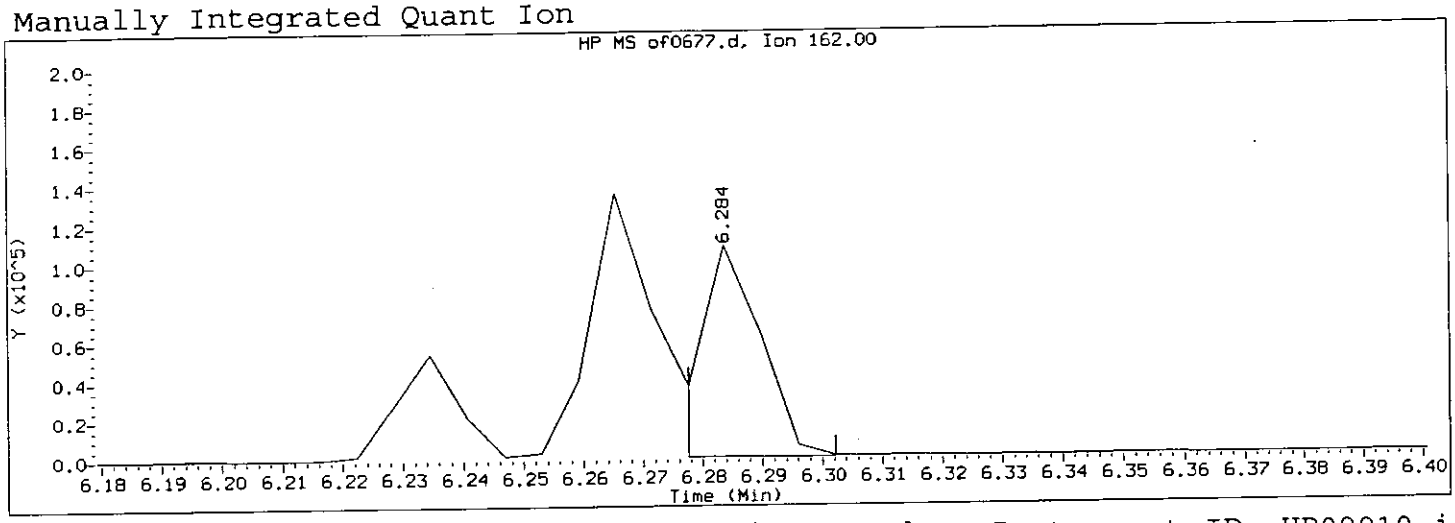
GC/MS audit/management approval: 6/15/06

Manual Integration Report for data file /chem/HP09910.i/06jun14a.b/of0677.d, generated on 06/15/2006 at 06:59

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP09910.i/06jun14a.b/of0677.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 01:39 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 06:59
Date, time and analyst ID of latest file update: 15-Jun-2006 06:59 rpb01568

Sample Name: SSTD005 Lab Sample ID: STD1576

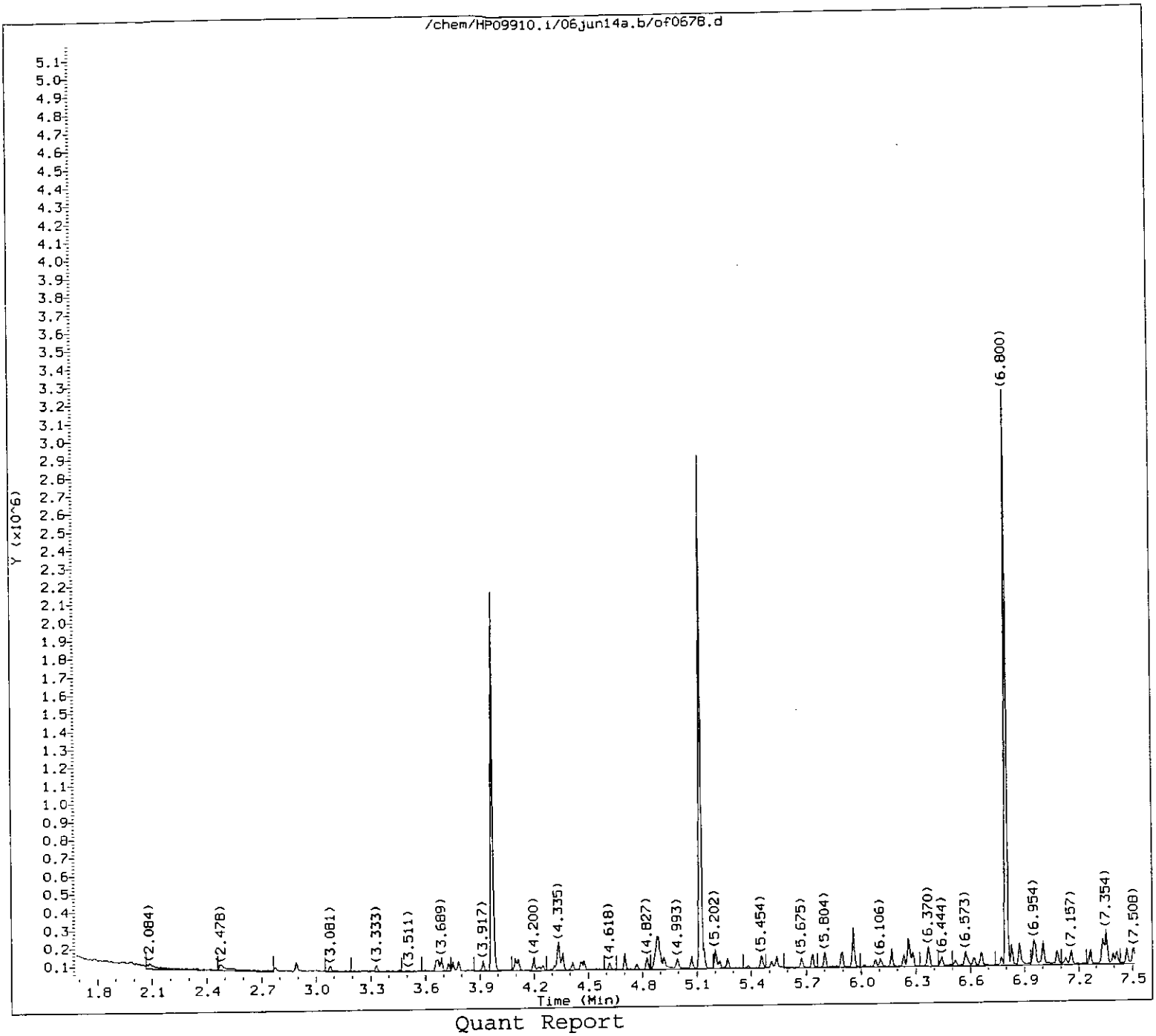
Compound Number	:	76
Compound Name	:	1-Chloronaphthalene
Scan Number	:	749
Retention Time (minutes)	:	6.284
Quant Ion	:	162
Area (flag)	:	78932 M
Concentration (ng/ul)	:	4.5583
Integration start scan	:	747 Integration stop scan: 751
Y at integration start	:	186 Y at integration end: 63

Reason for manual integration (circle one): missed peak (improper integration)

Analyst responsible for change: RBirch 6-15-06

GC/MS audit/management approval: 6/15/06

Manual Integration Report for data file /chem/HP09910.i/06jun14a.b/of0677.d, generated on 06/15/2006 at 06:59



Quant Report

Target Revision 3.5

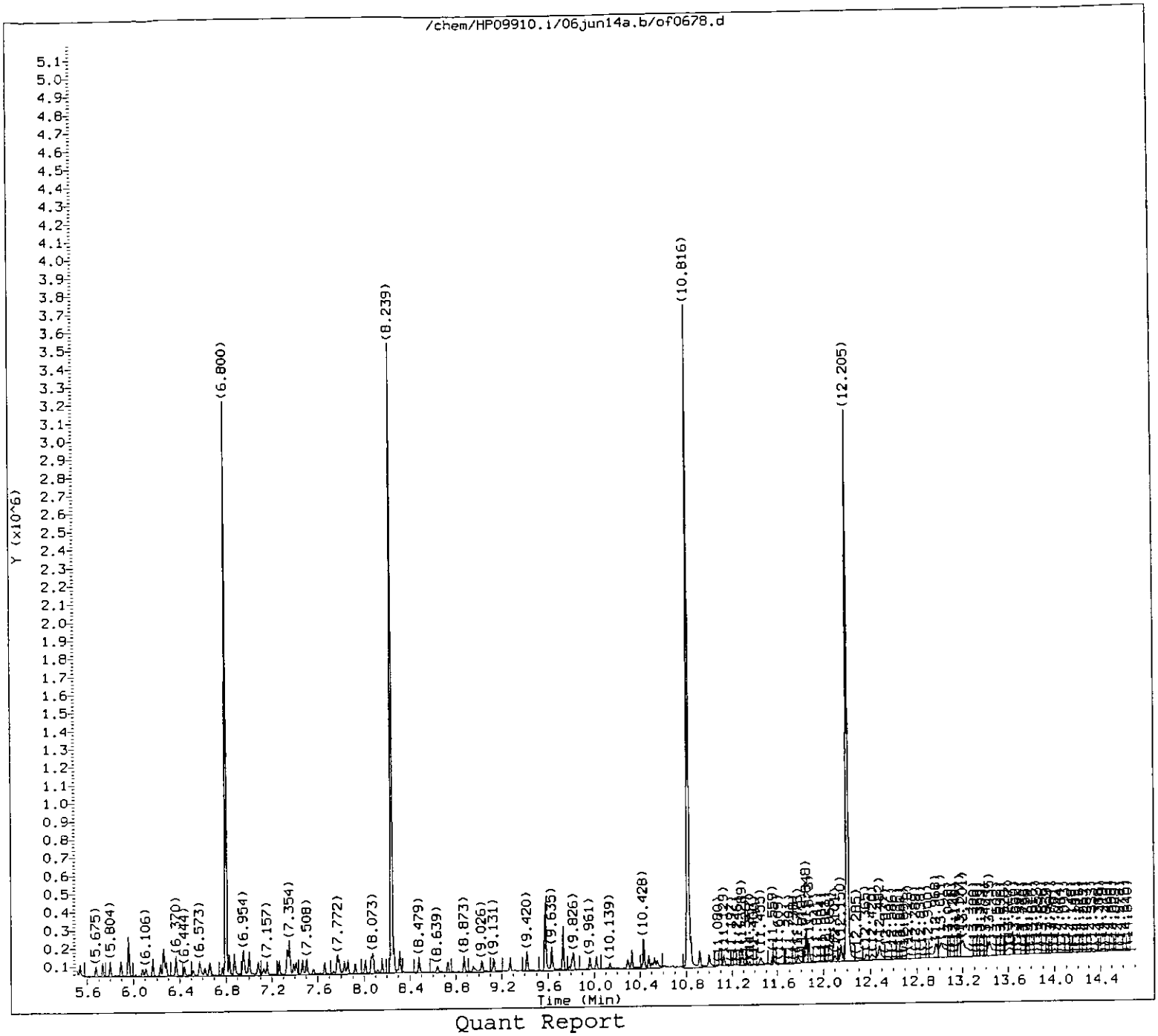
Data File: /chem/HP09910.i/06jun14a.b/of0678.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 02:01 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 01:55
Date, time and analyst ID of latest file update: 15-Jun-2006 07:01 rpb01568

Sample Name: SSTD001 Lab Sample ID: 8270MDL1576

0411

Rains
6-15-06



Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0678.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 02:01 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 01:55
Date, time and analyst ID of latest file update: 15-Jun-2006 07:01 rpb01568

Sample Name: SSTD001 Lab Sample ID: 8270MDL1576

0412

6-15-06

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0678.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 02:01 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 01:55
Date, time and analyst ID of latest file update: 15-Jun-2006 07:01 rpb01568

Sample Name: SSTD001 Lab Sample ID: 8270MDL1576

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
1) N-Nitrosodimethylamine	(1)	1.937	74	8133M	0.937
2) Pyridine	(1)	1.974	79	16425M	1.087
4) 2-Picoline	(1)	2.478	93	13990	0.984
12) Phenol	(1)	3.671	94	20604	1.110
13) Aniline	(1)	3.689	93	23925	1.091
17) bis(2-Chloroethyl)ether	(1)	3.751	93	15990	1.211
18) 2-Chlorophenol	(1)	3.781	128	9324	1.164
19) 1,3-Dichlorobenzene	(1)	3.917	146	8668	1.039
20) 1,4-Dichlorobenzene-d4	(1)	3.972	152	214442	40.000
21) 1,4-Dichlorobenzene	(1)	3.984	146	9615	1.119
24) Benzyl alcohol	(1)	4.095	108	9594	1.184
25) 1,2-Dichlorobenzene	(1)	4.114	146	9183	1.124
26) 2-Methylphenol	(1)	4.200	108	12161	1.076
27) 2,2'-oxybis(1-Chloropropane)	(1)	4.224	45	17386	1.778
28) bis(2-Chloroisopropyl)ether	(1)	4.224	45	17386	1.778
30) Acetophenone	(1)	4.329	105	17609	1.076
31) N-Nitroso-di-n-propylamine	(1)	4.335	70	11496	1.065
32) 4-Methylphenol	(1)	4.335	108	13335	1.042
33) o-Toluidine	(1)	4.359	106	21489	1.150
34) Hexachloroethane	(1)	4.415	117	4034	1.098
36) Nitrobenzene	(2)	4.476	77	16044	1.148
40) Isophorone	(2)	4.704	82	35973	1.298
41) 2-Nitrophenol	(2)	4.771	139	3692	1.120
42) 2,4-Dimethylphenol	(2)	4.827	107	12982	1.167
43) bis(2-Chloroethoxy)methane	(2)	4.919	93	17805	1.283
44) Benzoic acid	(2)	4.882	105	79363	11.679
45) 2,4-Dichlorophenol	(2)	4.993	162	6781	1.130
46) 1,2,4-Trichlorobenzene	(2)	5.073	180	8374	1.248
47) Naphthalene-d8	(2)	5.122	136	867160	40.000
48) Naphthalene	(2)	5.140	128	30026	1.215
49) 4-Chloroaniline	(2)	5.202	127	11368	1.100
50) 2,6-Dichlorophenol	(2)	5.208	162	6438	1.139
51) Hexachlorobutadiene	(2)	5.269	225	4421	1.151
52) Quinoline	(2)	5.460	129	17727	1.085
53) Caprolactam	(2)	5.509	113	4920	1.247
60) 4-Chloro-3-methylphenol	(2)	5.675	107	11264	1.168
61) 2-Methylnaphthalene	(2)	5.804	142	17097	1.067
62) 1-Methylnaphthalene	(2)	5.897	142	18223	1.236
66) Hexachlorocyclopentadiene	(3)	5.958	237	14018	4.626
67) 1,2,4,5-Tetrachlorobenzene	(3)	5.964	216	8001	1.226
68) 2,4,6-Trichlorophenol	(3)	6.075	196	3859	1.029
69) 2,4,5-Trichlorophenol	(3)	6.106	196	5193	1.110
72) Biphenyl	(3)	6.259	154	22777	1.186

M = Compound was manually integrated. A = User selected an alternate hit

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0678.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 02:01 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 01:55
Date, time and analyst ID of latest file update: 15-Jun-2006 07:01 rpb01568

Sample Name: SSTD001 Lab Sample ID: 8270MDL1576

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
73) Diphenyl	(3)	6.259	154	22777	1.186
74) 1,1'-Biphenyl	(3)	6.259	154	22777	1.186
75) 2-Chloronaphthalene	(3)	6.266	162	23983M	1.281
76) 1-Chloronaphthalene	(3)	6.284	162	15566M	0.941
77) Diphenyl ether	(3)	6.370	170	11376	1.097
79) 2-Nitroaniline	(3)	6.376	138	6539	1.320
80) Dimethylphthalate	(3)	6.573	163	17670	1.058
81) 2,6-Dinitrotoluene	(3)	6.622	165	3736	1.006
82) Acenaphthylene	(3)	6.659	152	26985	1.159
83) 3-Nitroaniline	(3)	6.770	138	5019	1.165
85) Acenaphthene-d10	(3)	6.800	164	502015	40.000
89) Acenaphthene	(3)	6.831	153	19023	1.273
90) 2,4-Dinitrophenol	(3)	6.874	184	11483	9.788
91) Pentachlorobenzene	(3)	6.960	250	8721	1.321
92) 4-Nitrophenol	(3)	6.954	109	11745	3.807
93) Dibenzofuran	(3)	7.003	168	27070	1.189
94) 2,4-Dinitrotoluene	(3)	7.003	165	4574	1.004
97) 1-Naphthylamine	(3)	7.077	143	17317	1.168
98) 2,3,4,6-Tetrachlorophenol	(3)	7.126	232	3418	1.122
99) 2-Naphthylamine	(3)	7.157	143	18865	1.213
100) Diethylphthalate	(3)	7.268	149	20483	1.187
102) Fluorene	(3)	7.335	166	20580	1.129
104) 4-Chlorophenyl-phenylether	(3)	7.354	204	11185	1.270
105) 4-Nitroaniline	(3)	7.360	138	5514	1.115
106) 4,6-Dinitro-2-methylphenol	(4)	7.391	198	5871	3.343
109) N-Nitrosodiphenylamine	(4)	7.471	169	15416	1.167
110) 1,2-Diphenylhydrazine	(4)	7.501	77	33403	1.157
114) Phorate	(4)	7.772	75	18274	1.085
116) 4-Bromophenyl-phenylether	(4)	7.827	248	6580	1.318
117) Hexachlorobenzene	(4)	7.858	284	7299	1.254
124) Pentachlorophenol	(4)	8.061	266	8999	3.532
125) Phenanthrene-d10	(4)	8.239	188	1030626	40.000
126) Phenanthrene	(4)	8.264	178	30834	1.153
127) Dinoseb	(4)	8.270	211	1412	0.604
130) Anthracene	(4)	8.313	178	32377	1.173
131) Carbazole	(4)	8.479	167	28934	1.080
133) Methyl parathion	(4)	8.639	109	5797	0.899
134) Ronnel	(4)	8.731	285	7901	1.180
137) Di-n-butylphthalate	(4)	8.873	149	33551	1.129
139) Parathion	(4)	9.032	109	4017	0.903
142) Fluoranthene	(4)	9.420	202	34781	1.054
144) Benzidine	(5)	9.580	184	131833	8.387
145) Pyrene	(5)	9.635	202	39068	1.218

M = Compound was manually integrated. A = User selected an alternate hit

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0678.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 02:01 Analyst ID: lmh00956

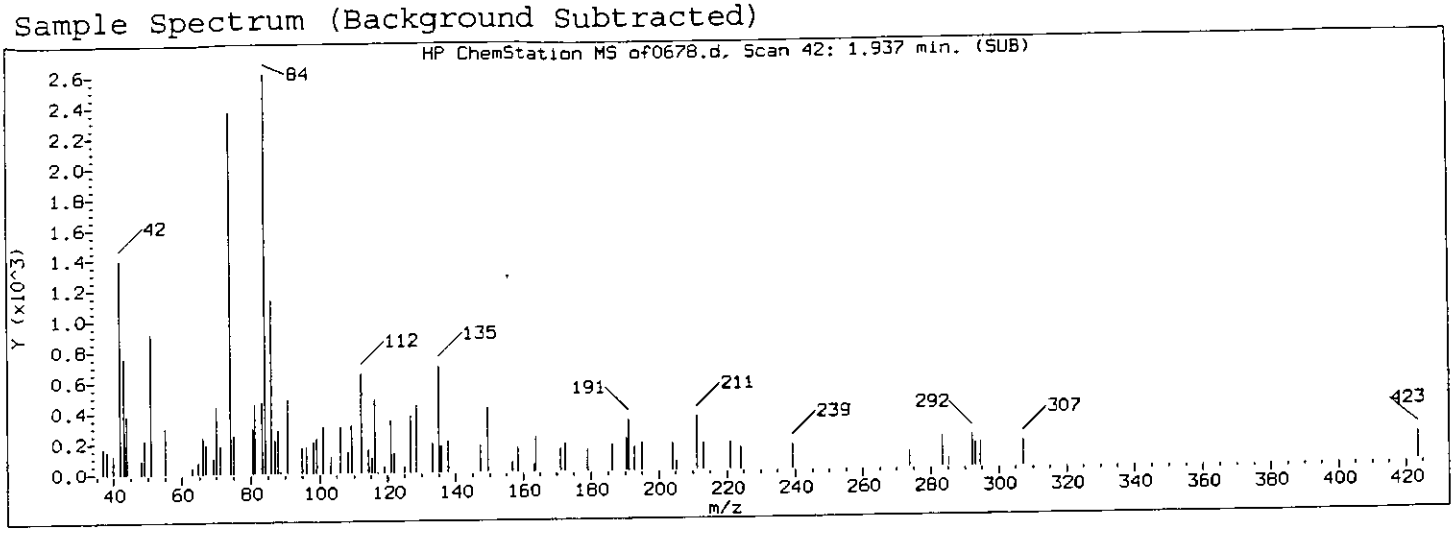
Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 01:55
Date, time and analyst ID of latest file update: 15-Jun-2006 07:01 rpb01568

Sample Name: SSTD001 Lab Sample ID: 8270MDL1576

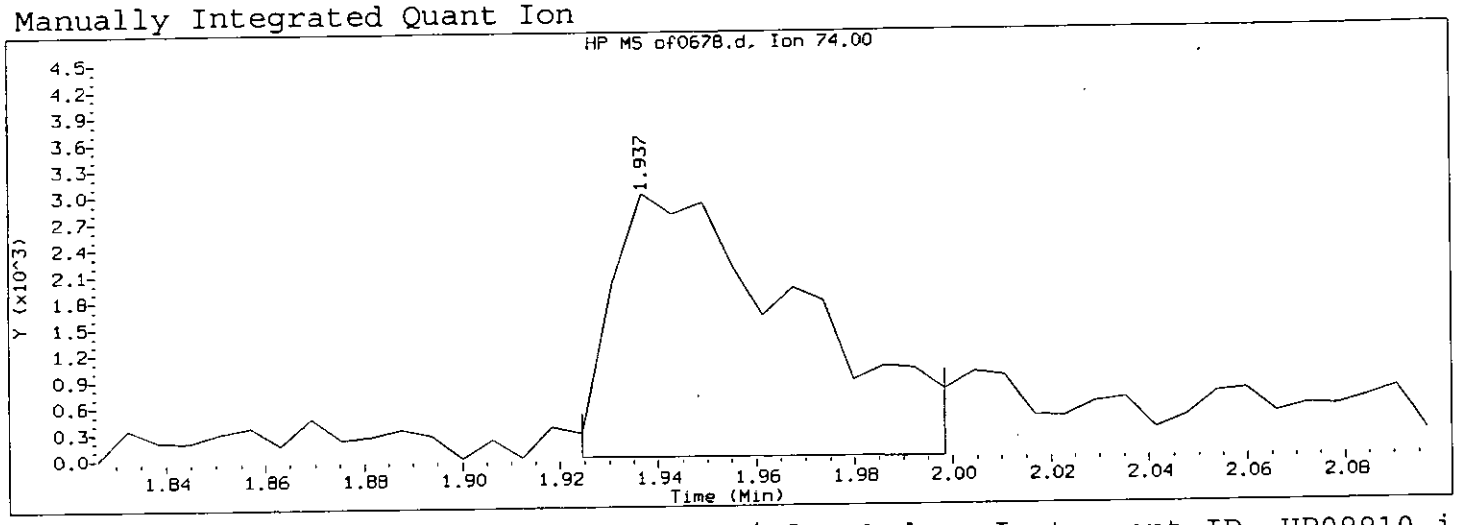
	Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
148)	Butylbenzylphthalate	(5)	10.330	149	14615	1.090
153)	3,3'-Dichlorobenzidine	(5)	10.809	252	13616	1.140
154)	Benzo(a)anthracene	(5)	10.809	228	37211	1.198
157)	4,4'-Methylenebis(2-Chloroanil	(5)	10.822	231	8571	1.456
156)	Chrysene-d12	(5)	10.816	240	1078100	40.000
158)	Chrysene	(5)	10.840	228	37038	1.228
159)	bis(2-Ethylhexyl)phthalate	(5)	10.920	149	19529	1.058
160)	6-Methylchrysene	(5)	11.289	242	25276	1.131
161)	Di-n-octylphthalate	(6)	11.559	149	29136	0.910
163)	7,12-Dimethylbenz[a]anthracene	(6)	11.848	256	16386	1.074
164)	Benzo(b)fluoranthene	(6)	11.848	252	37140	1.104
165)	Benzo(k)fluoranthene	(6)	11.873	252	38495	1.078
166)	Benzo(a)pyrene	(6)	12.150	252	39192	1.216
167)	Perylene-d12	(6)	12.205	264	1081059	40.000
168)	3-Methylcholanthrene	(6)	12.482	268	19136	1.065
169)	Dibenz(a,h)acridine	(6)	12.968	279	25240	0.948
170)	Dibenz(a,j)acridine	(6)	13.011	279	34197	1.104
171)	Indeno(1,2,3-cd)pyrene	(6)	13.170	276	38717	1.056
172)	Dibenz(a,h)anthracene	(6)	13.201	278	31044	1.067
173)	Benzo(g,h,i)perylene	(6)	13.435	276	33972	1.091
7)	2-Fluorophenol	(1)	2.890	112	9413	0.987
10)	Phenol-d5	(1)	3.659	99	16994	1.071
11)	Phenol-d6	(1)	3.659	99	16994	1.071
35)	Nitrobenzene-d5	(2)	4.458	82	14941	1.131
71)	2-Fluorobiphenyl	(3)	6.167	172	18825	1.126
112)	2,4,6-Tribromophenol	(3)	7.569	330	2016	0.906
147)	Terphenyl-d14	(5)	9.826	244	25364	1.202

M = Compound was manually integrated. A = User selected an alternate hit

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP09910.i/06jun14a.b/of0678.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 02:01 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 01:55
Date, time and analyst ID of latest file update: 15-Jun-2006 07:01 rpb01568

Sample Name: SSTD001 Lab Sample ID: 8270MDL1576

Compound Number : 1
Compound Name : N-Nitrosodimethylamine
Scan Number : 42
Retention Time (minutes): 1.937
Quant Ion : 74
Area (flag) : 8133 M
Concentration (ng/ul) : 0.9373
Integration start scan : 39 Integration stop scan: 51
Y at integration start : -1 Y at integration end: -22

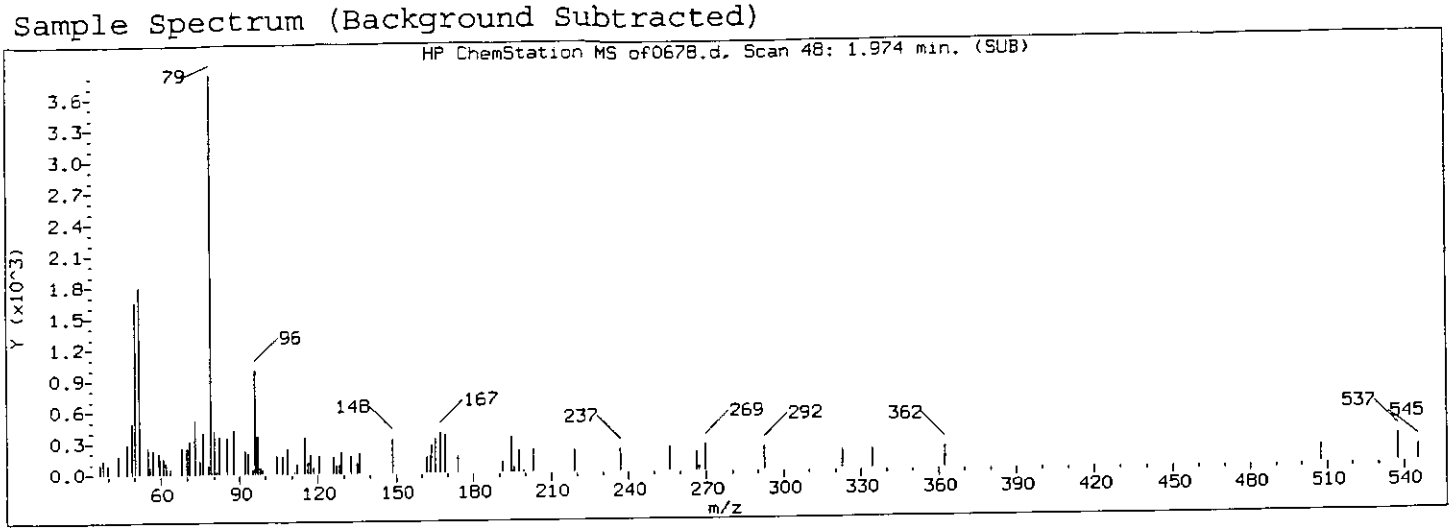
Reason for manual integration (circle one): missed peak improper integration

Analyst responsible for change: RBIRS 6-15-06

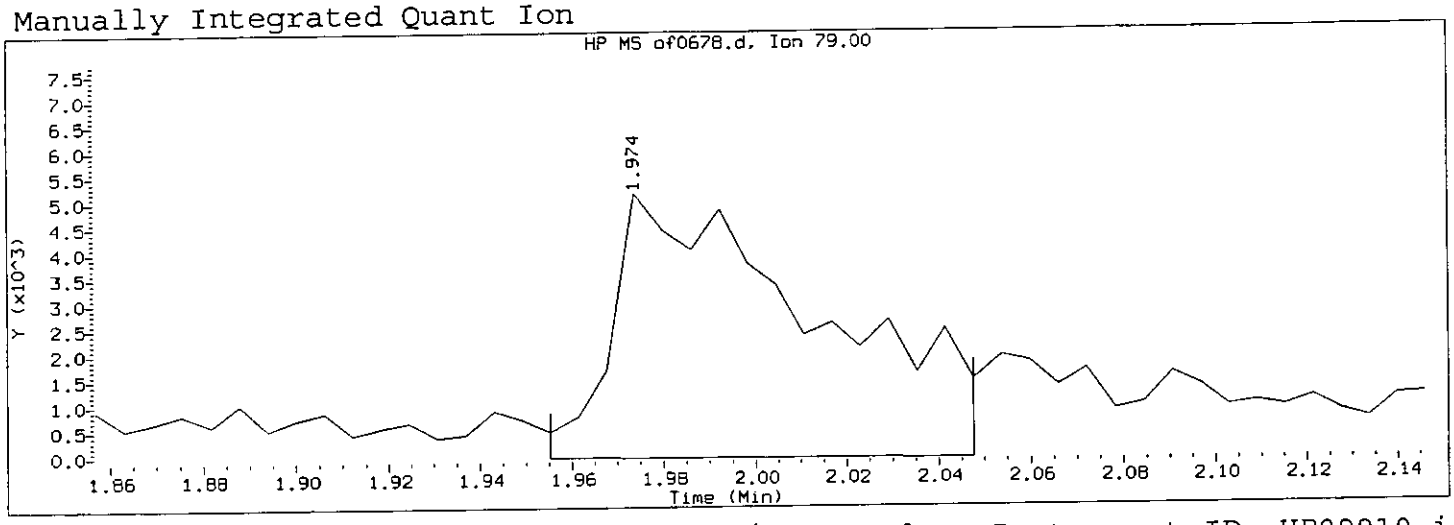
GC/MS audit/management approval: 6/16/06

Manual Integration Report for data file /chem/HP09910.i/06jun14a.b/of0678.d, generated on 06/15/2006 at 07:03

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP09910.i/06jun14a.b/of0678.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 02:01 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 01:55
Date, time and analyst ID of latest file update: 15-Jun-2006 07:01 rpb01568

Sample Name: SSTD001 Lab Sample ID: 8270MDL1576

Compound Number : 2
Compound Name : Pyridine
Scan Number : 48
Retention Time (minutes): 1.974
Quant Ion : 79
Area (flag) : 16425 M
Concentration (ng/ul) : 1.0866
Integration start scan : 44 Integration stop scan: 59
Y at integration start : -49 Y at integration end: -86

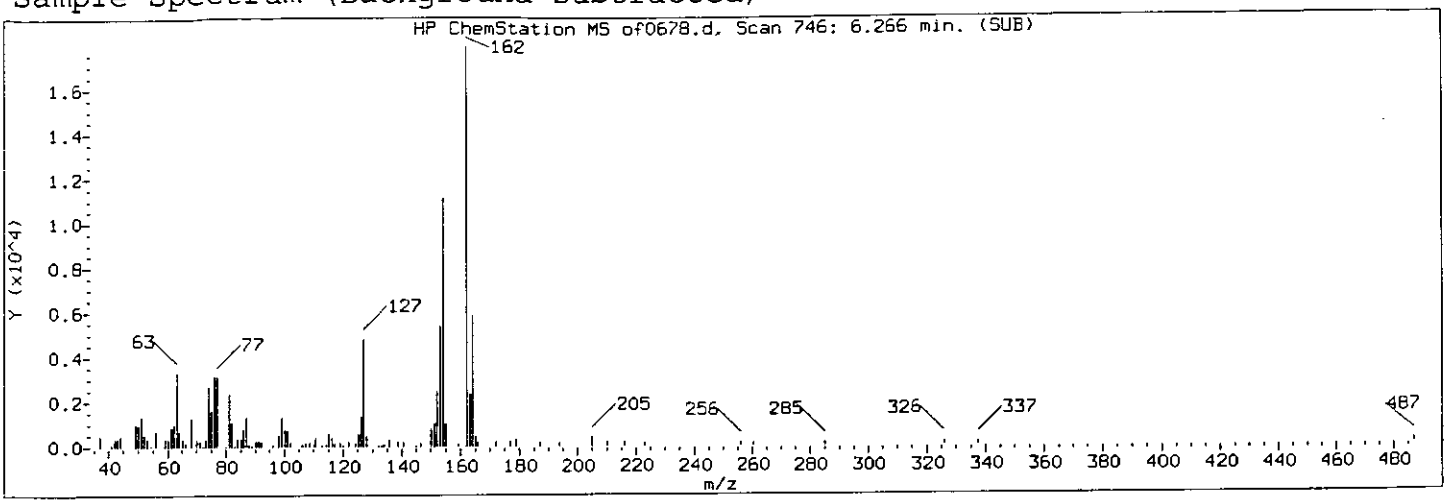
Reason for manual integration (circle one): missed peak improper integration

Analyst responsible for change: RBirks 6-15-06

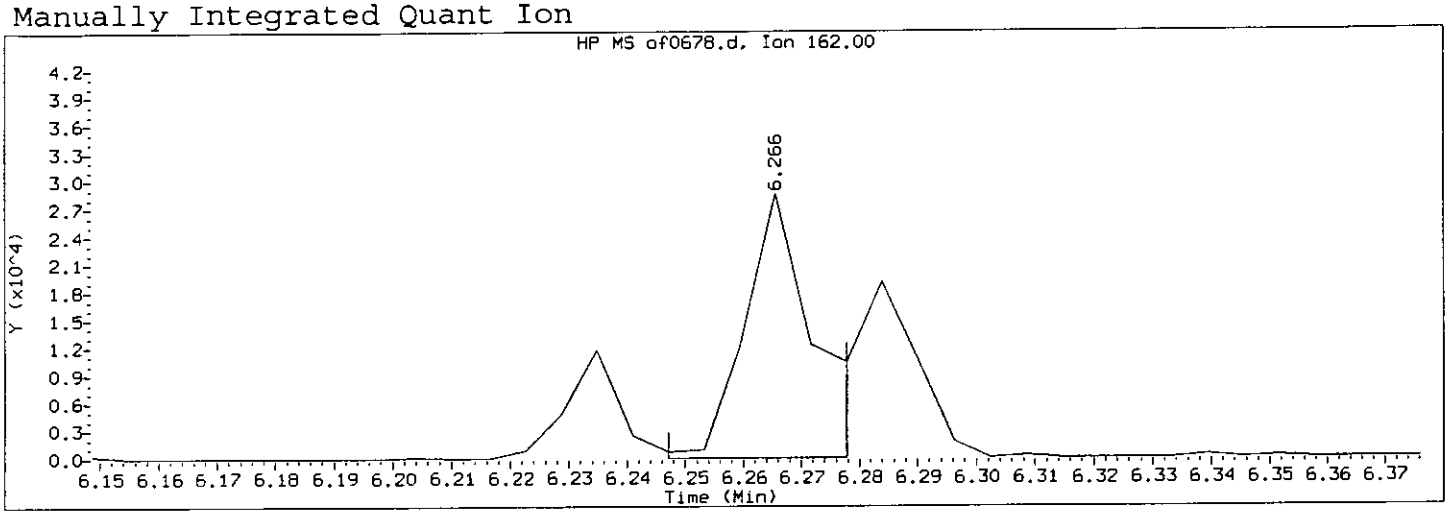
GC/MS audit/management approval: 6/15/06

Manual Integration Report for data file /chem/HP09910.i/06jun14a.b/of0678.d, generated on 06/15/2006 at 07:03

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP09910.i/06jun14a.b/of0678.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 02:01 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 01:55
Date, time and analyst ID of latest file update: 15-Jun-2006 07:01 rpb01568

Sample Name: SSTD001 Lab Sample ID: 8270MDL1576

Compound Number : 75
Compound Name : 2-Chloronaphthalene
Scan Number : 746
Retention Time (minutes): 6.266
Quant Ion : 162
Area (flag) : 23983 M
Concentration (ng/ul) : 1.2814
Integration start scan : 742 Integration stop scan: 747
Y at integration start : 0 Y at integration end: 0

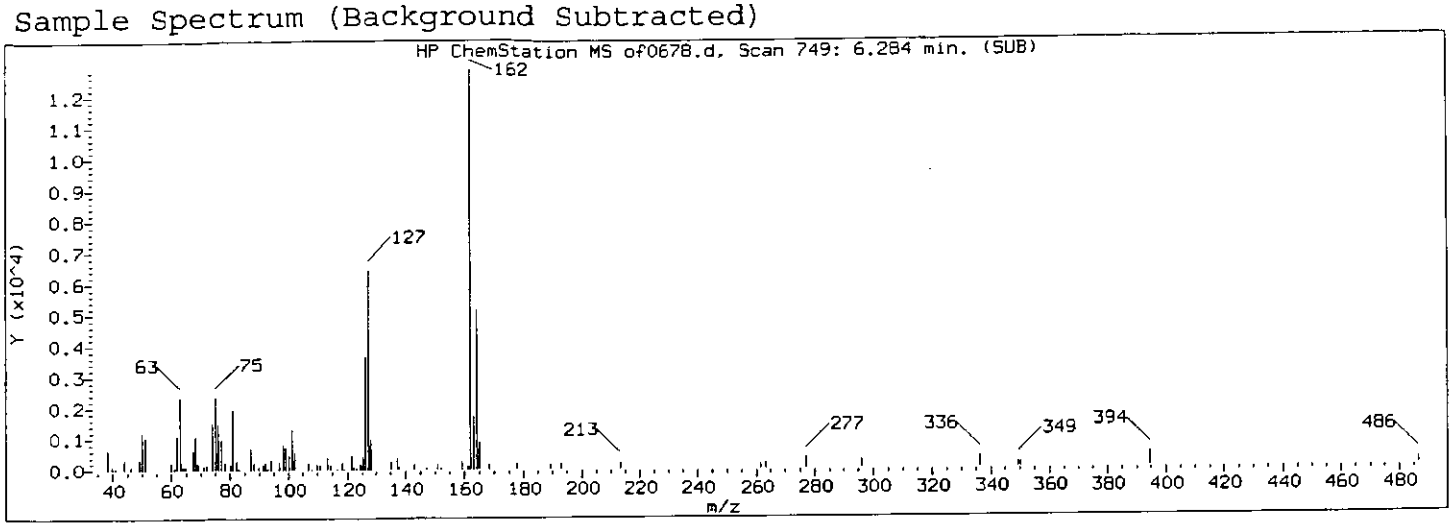
Reason for manual integration (circle one): missed peak improper integration

Analyst responsible for change: RB 6-15-06

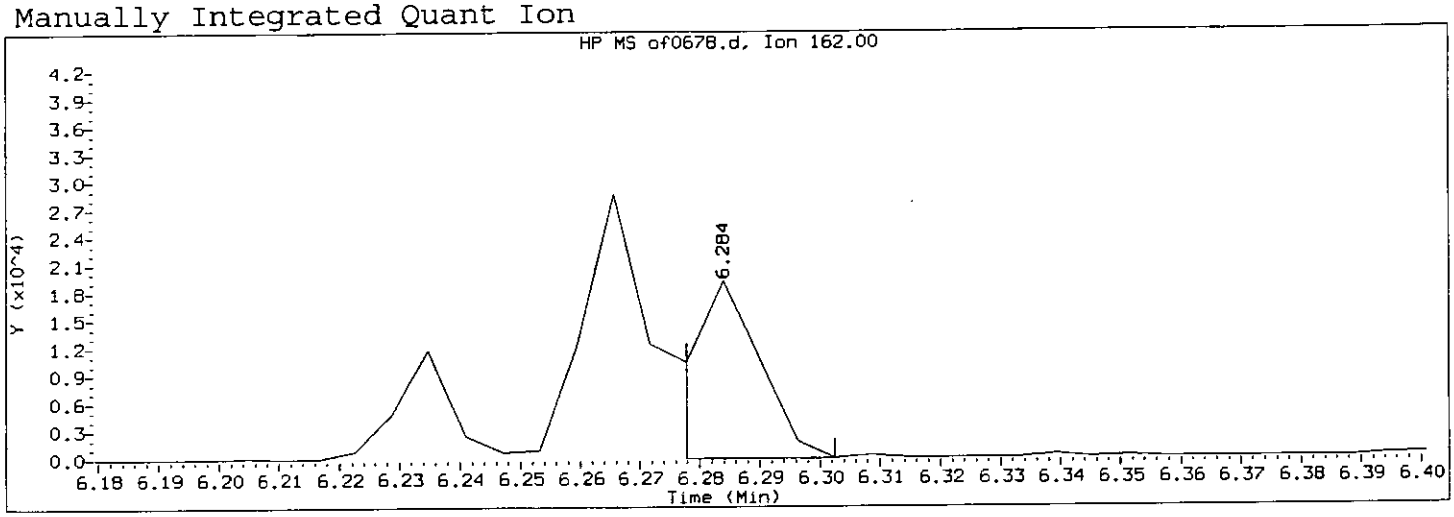
GC/MS audit/management approval: 6/15/06

Manual Integration Report for data file /chem/HP09910.i/06jun14a.b/of0678.d, generated on 06/15/2006 at 07:03

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP09910.i/06jun14a.b/of0678.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 02:01 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 01:55
Date, time and analyst ID of latest file update: 15-Jun-2006 07:01 rpb01568

Sample Name: SSTD001 Lab Sample ID: 8270MDL1576

Compound Number : 76
Compound Name : 1-Chloronaphthalene
Scan Number : 749
Retention Time (minutes): 6.284
Quant Ion : 162
Area (flag) : 15566 M
Concentration (ng/ul) : 0.9412
Integration start scan : 747 Integration stop scan: 751
Y at integration start : -80 Y at integration end: -80

Reason for manual integration (circle one): missed peak improper integration

Analyst responsible for change: RB 6-15-06

GC/MS audit/management approval: 6/15/06

Manual Integration Report for data file /chem/HP09910.i/06jun14a.b/of0678.d, generated on 06/15/2006 at 07:03

Lancaster Laboratories, Inc.
Semi Volatile Initial Calibration Verification

LAB NAME: LANCASTER LABS LAB CODE: LANCAS INSTRUMENT: HP09910

Method: SW-846 8270C File ID: of0679.d

ICV SAMPLE NO: ICV0036 BATCH: 06JUN14A026 Sample ~~Code~~ NAME: CGT005D

10 ppm @ IC1539 6/20/06

COMPOUND NAME	TRUE CONC.	ACTUAL CONC.	% DRIFT	%D window	INSPEC
N-Nitrosodimethylamine	1667.00	1746.47	5	20	YES
Pyridine	1667.00	1589.13	-5	20	YES
2-Picoline	1667.00	1614.64	-3	20	YES
1,4-Dioxane	1667.00	.00	0	20	YES
2-Fluorophenol	1667.00	1556.22	-7	20	YES
Phenol-d5	1667.00	1613.54	-3	20	YES
Phenol-d6	1667.00	1613.54	-3	20	YES
Phenol	1667.00	1567.59	-6	20	YES
Aniline	1667.00	1564.92	-6	20	YES
bis(2-Chloroethyl)ether	1667.00	1477.94	-11	20	YES
2-Chlorophenol	1667.00	1556.44	-7	20	YES
1,3-Dichlorobenzene	1667.00	1548.45	-7	20	YES
1,4-Dichlorobenzene	1667.00	1584.46	-5	20	YES
Benzyl alcohol	1667.00	1581.75	-5	20	YES
1,2-Dichlorobenzene	1667.00	1513.12	-9	20	YES
2-Methylphenol	1667.00	1480.70	-11	20	YES
2,2'-oxybis(1-Chloropropane	1667.00	1909.75	15	20	YES
bis(2-Chloroisopropyl)ether	1667.00	1909.69	15	20	YES
Acetophenone	1667.00	1560.22	-6	20	YES
N-Nitroso-di-n-propylamine	1667.00	1515.34	-9	20	YES
4-Methylphenol	1667.00	1508.70	-9	20	YES
o-Toluidine	1667.00	1574.87	-6	20	YES
Hexachloroethane	1667.00	1603.08	-4	20	YES
Nitrobenzene-d5	1667.00	1671.27	0	20	YES
Nitrobenzene	1667.00	1546.89	-7	20	YES
Isophorone	1667.00	1385.69	-17	20	YES
2-Nitrophenol	1667.00	1704.87	2	20	YES
2,4-Dimethylphenol	1667.00	1537.70	-8	20	YES
bis(2-Chloroethoxy)methane	1667.00	1694.85	2	20	YES
Benzoic acid	1667.00	1513.11	-9	20	YES
2,4-Dichlorophenol	1667.00	1567.56	-6	20	YES
1,2,4-Trichlorobenzene	1667.00	1566.47	-6	20	YES
Naphthalene	1667.00	1573.83	-6	20	YES
4-Chloroaniline	1667.00	1570.37	-6	20	YES
2,6-Dichlorophenol	1667.00	1523.86	-9	20	YES
Hexachlorobutadiene	1667.00	1517.04	-9	20	YES
Caprolactam	1667.00	1603.73	-4	20	YES

NC = Could not calculate

Comments: _____

0420

B1529 6-15-06

Lancaster Laboratories, Inc.
Semi Volatile Initial Calibration Verification

LAB NAME: LANCASTER LABS LAB CODE: LANCAS INSTRUMENT: HP09910

Method: SW-846 8270C File ID: of0679.d

ICV SAMPLE ~~NO~~ ID*: ICV0036 BATCH: 06JUN14A026 Sample ~~code~~ NAME*: SSTD050

*ID JK 1534 6/20/06

COMPOUND NAME	TRUE CONC.	ACTUAL CONC.	% DRIFT	%D window	INSPEC
4-Chloro-3-methylphenol	1667.00	1589.16	-5	20	YES
2-Methylnaphthalene	1667.00	1472.60	-12	20	YES
1-Methylnaphthalene	1667.00	1622.29	-3	20	YES
Hexachlorocyclopentadiene	5000.00	3416.96	-32	20	NO
1,2,4,5-Tetrachlorobenzene	1667.00	1619.44	-3	20	YES
2,4,6-Trichlorophenol	1667.00	1588.97	-5	20	YES
2,4,5-Trichlorophenol	1667.00	1472.90	-12	20	YES
2-Fluorobiphenyl	1667.00	1649.70	-1	20	YES
Biphenyl	1667.00	1607.85	-4	20	YES
Diphenyl	1667.00	1607.85	-4	20	YES
1,1'-Biphenyl	1667.00	1607.85	-4	20	YES
2-Chloronaphthalene	1667.00	1304.62	-22	20	NO
1-Chloronaphthalene	1667.00	.00	0	20	YES
Diphenyl ether	1667.00	1601.73	-4	20	YES
2-Nitroaniline	1667.00	1633.12	-2	20	YES
Dimethylphthalate	1667.00	1592.59	-4	20	YES
2,6-Dinitrotoluene	1667.00	1615.93	-3	20	YES
Acenaphthylene	1667.00	1718.52	3	20	YES
3-Nitroaniline	1667.00	1592.51	-4	20	YES
Acenaphthene	1667.00	1649.45	-1	20	YES
2,4-Dinitrophenol	1667.00	1475.37	-11	20	YES
Pentachlorobenzene	1667.00	1640.58	-2	20	YES
4-Nitrophenol	1667.00	1611.31	-3	20	YES
Dibenzofuran	1667.00	1588.18	-5	20	YES
2,4-Dinitrotoluene	1667.00	1687.05	1	20	YES
1-Naphthylamine	1667.00	1658.07	-1	20	YES
2,3,4,6-Tetrachlorophenol	1667.00	1765.52	6	20	YES
2-Naphthylamine	1667.00	1554.45	-7	20	YES
Diethylphthalate	1667.00	1592.99	-4	20	YES
Fluorene	1667.00	1608.59	-3	20	YES
4-Chlorophenyl-phenylether	1667.00	1595.82	-4	20	YES
4-Nitroaniline	1667.00	1609.29	-3	20	YES
4,6-Dinitro-2-methylphenol	1667.00	1676.46	1	20	YES
N-Nitrosodiphenylamine	1667.00	1829.62	10	20	YES
1,2-Diphenylhydrazine	1667.00	1686.55	1	20	YES
2,4,6-Tribromophenol	1667.00	1744.31	5	20	YES
Phorate	1667.00	1743.47	5	20	YES

NC = Could not calculate

Comments: 6421

Lancaster Laboratories, Inc.
Semi Volatile Initial Calibration Verification

LAB NAME: LANCASTER LABS LAB CODE: LANCAS INSTRUMENT: HP09910

Method: SW-846 8270C File ID: of0679.d

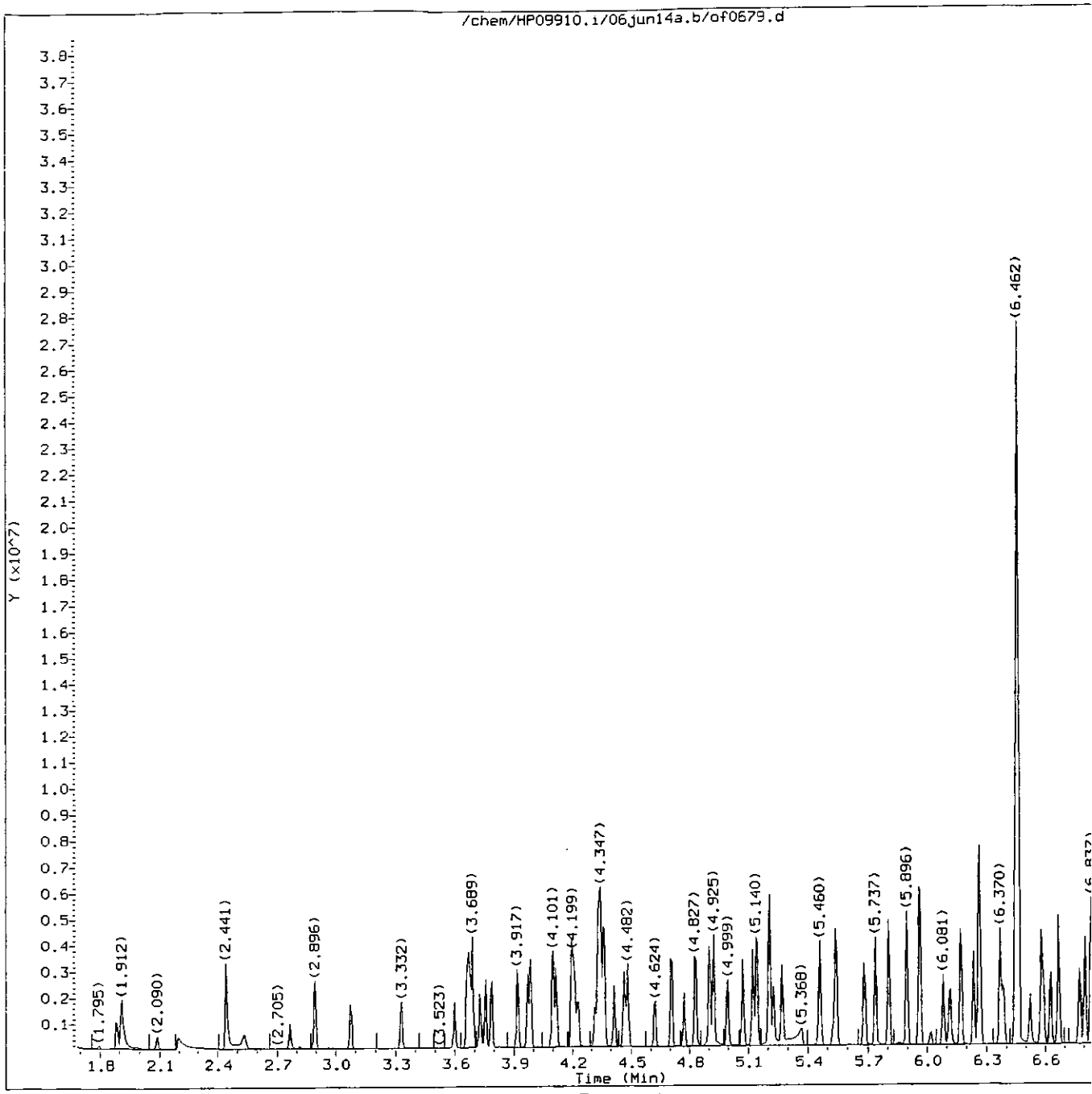
ICV SAMPLE ~~NO.~~ 10* ICV0036 BATCH: 06JUN14A026 Sample ~~Code~~ NAME*: SETOOS

@* 1534 6/20/06

COMPOUND NAME	TRUE CONC.	ACTUAL CONC.	% DRIFT	%D window	INSPEC
4-Bromophenyl-phenylether	1667.00	1699.91	2	20	YES
Hexachlorobenzene	1667.00	1718.17	3	20	YES
Pentachlorophenol	1667.00	1616.58	-3	20	YES
Phenanthrene	1667.00	1779.35	7	20	YES
Dinoseb	1667.00	1653.40	-1	20	YES
Anthracene	1667.00	1783.83	7	20	YES
Carbazole	1667.00	1814.36	9	20	YES
Methyl parathion	1667.00	1865.76	12	20	YES
Ronnel	1667.00	.00	0	20	YES
Di-n-butylphthalate	1667.00	1794.18	8	20	YES
Parathion	1667.00	1992.28	20	20	YES
Fluoranthene	1667.00	1733.67	4	20	YES
Benzidine	8333.00	10220.53	23	20	NO
Pyrene	1667.00	1708.52	3	20	YES
Terphenyl-d14	1667.00	1651.78	-1	20	YES
Butylbenzylphthalate	1667.00	1711.22	3	20	YES
3,3'-Dichlorobenzidine	1667.00	1723.30	3	20	YES
Benzo(a)anthracene	1667.00	1654.11	-1	20	YES
Hexabromobenzene	1667.00	.00	0	20	YES
4,4'-Methylenebis(2-Chloroa	1667.00	1636.05	-2	20	YES
Chrysene	1667.00	1637.54	-2	20	YES
bis(2-Ethylhexyl)phthalate	1667.00	1638.80	-2	20	YES
6-Methylchrysene	1667.00	1677.36	1	20	YES
Di-n-octylphthalate	1667.00	1614.26	-3	20	YES
7,12-Dimethylbenz[a]anthrac	1667.00	1540.86	-8	20	YES
Benzo(b)fluoranthene	1667.00	1583.19	-5	20	YES
Benzo(k)fluoranthene	1667.00	1656.02	-1	20	YES
Benzo(a)pyrene	1667.00	1624.20	-3	20	YES
3-Methylcholanthrene	1667.00	1600.01	-4	20	YES
Dibenz(a,h)acridine	1667.00	1647.21	-1	20	YES
Dibenz(a,j)acridine	1667.00	1659.65	0	20	YES
Indeno(1,2,3-cd)pyrene	1667.00	1597.28	-4	20	YES
Dibenz(a,h)anthracene	1667.00	1682.39	1	20	YES
Benzo(g,h,i)perylene	1667.00	1600.69	-4	20	YES

NC = Could not calculate

Comments: 8422



Quant Report

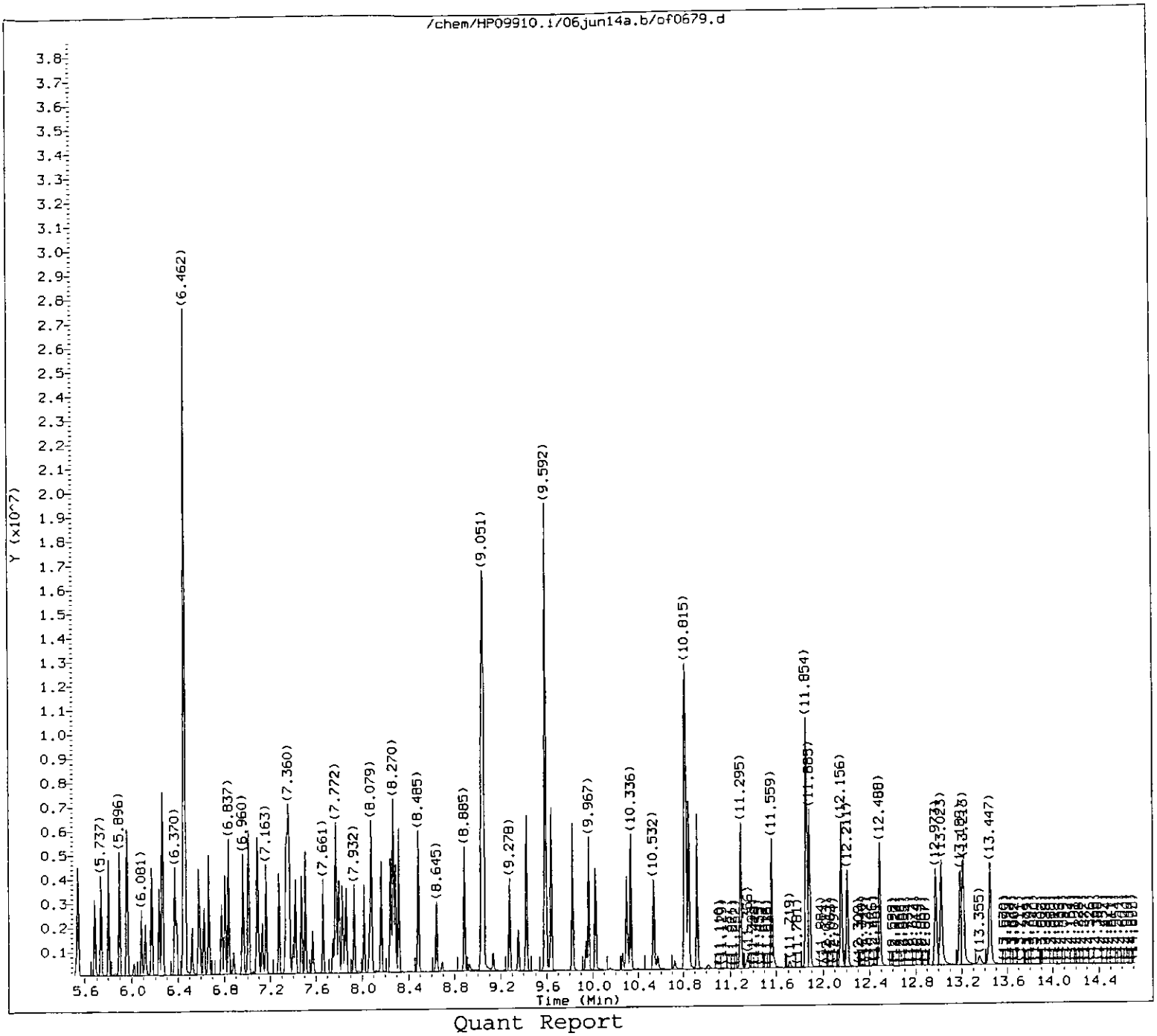
Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0679.d Instrument ID: HP099
Injection date and time: 15-JUN-2006 02:23 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 07:12
Date, time and analyst ID of latest file update: 15-Jun-2006 07:29 rpb

Sample Name: SSTD050 Lab Sample ID: ICV0036

8423



Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0679.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 02:23 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 07:12
Date, time and analyst ID of latest file update: 15-Jun-2006 07:29 rpb01568

Sample Name: SSTD050 Lab Sample ID: ICV0036

0424

6-15-06

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0679.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 02:23 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 07:12
Date, time and analyst ID of latest file update: 15-Jun-2006 07:29 rpb01568

Sample Name: SSTD050 Lab Sample ID: ICV0036

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
1) N-Nitrosodimethylamine	(1)	1.881	74	572355	52.394
2) Pyridine	(1)	1.912	79	907275	47.674
4) 2-Picoline	(1)	2.441	93	867385	48.439
12) Phenol	(1)	3.671	94	1099357	47.028
13) Aniline	(1)	3.689	93	1295659	46.948
17) bis(2-Chloroethyl)ether	(1)	3.757	93	737180	44.338
18) 2-Chlorophenol	(1)	3.787	128	471074	46.693
19) 1,3-Dichlorobenzene	(1)	3.917	146	487870	46.454
20) 1,4-Dichlorobenzene-d4	(1)	3.972	152	269972	40.000
21) 1,4-Dichlorobenzene	(1)	3.984	146	514102	47.534
24) Benzyl alcohol	(1)	4.101	108	483883	47.452
25) 1,2-Dichlorobenzene	(1)	4.113	146	467043	45.394
26) 2-Methylphenol	(1)	4.206	108	631870	44.421
27) 2,2'-oxybis(1-Chloropropane)	(1)	4.230	45	705428	57.292
28) bis(2-Chloroisopropyl)ether	(1)	4.230	45	705428	57.291
30) Acetophenone	(1)	4.335	105	964318	46.807
31) N-Nitroso-di-n-propylamine	(1)	4.347	70	617994	45.460
32) 4-Methylphenol	(1)	4.341	108	728970	45.261
33) o-Toluidine	(1)	4.365	106	1111339	47.246
34) Hexachloroethane	(1)	4.415	117	222479	48.092
36) Nitrobenzene	(2)	4.482	77	855112	46.407
40) Isophorone	(2)	4.704	82	1518341	41.571
41) 2-Nitrophenol	(2)	4.771	139	222197	51.146
42) 2,4-Dimethylphenol	(2)	4.827	107	676318	46.131
43) bis(2-Chloroethoxy)methane	(2)	4.925	93	929979	50.845
44) Benzoic acid	(2)	4.925	105	406653	45.393
45) 2,4-Dichlorophenol	(2)	4.999	162	371923	47.027
46) 1,2,4-Trichlorobenzene	(2)	5.072	180	415861	46.994
47) Naphthalene-d8	(2)	5.122	136	1143179	40.000
48) Naphthalene	(2)	5.146	128	1538501	47.215
49) 4-Chloroaniline	(2)	5.208	127	641995	47.111
50) 2,6-Dichlorophenol	(2)	5.208	162	340590	45.716
51) Hexachlorobutadiene	(2)	5.269	225	230539	45.511
52) Quinoline	(2)	5.460	129	1052063	48.866
53) Caprolactam	(2)	5.540	113	250189	48.112
60) 4-Chloro-3-methylphenol	(2)	5.681	107	606216	47.675
61) 2-Methylnaphthalene	(2)	5.804	142	932997	44.178
62) 1-Methylnaphthalene	(2)	5.896	142	946282	48.669
66) Hexachlorocyclopentadiene	(3)	5.958	237	477806	102.509
67) 1,2,4,5-Tetrachlorobenzene	(3)	5.964	216	436403	48.583
68) 2,4,6-Trichlorophenol	(3)	6.081	196	245991	47.669
69) 2,4,5-Trichlorophenol	(3)	6.118	196	284455	44.187
72) Biphenyl	(3)	6.259	154	1275486	48.235

M = Compound was manually integrated. A = User selected an alternate hit

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0679.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 02:23 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 07:12
Date, time and analyst ID of latest file update: 15-Jun-2006 07:29 rpb01568

Sample Name: SSTD050 Lab Sample ID: ICV0036

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
73) Diphenyl	(3)	6.259	154	1275486	48.235
74) 1,1'-Biphenyl	(3)	6.259	154	1275486	48.235
75) 2-Chloronaphthalene	(3)	6.265	162	902814	39.139
77) Diphenyl ether	(3)	6.370	170	685704	48.052
79) 2-Nitroaniline	(3)	6.388	138	334169	48.994
80) Dimethylphthalate	(3)	6.579	163	1097922	47.778
81) 2,6-Dinitrotoluene	(3)	6.628	165	247707	48.478
82) Acenaphthylene	(3)	6.665	152	1651908	51.556
83) 3-Nitroaniline	(3)	6.776	138	283231	47.775
85) Acenaphthene-d10	(3)	6.806	164	691010	40.000
89) Acenaphthene	(3)	6.837	153	1017969	49.484
90) 2,4-Dinitrophenol	(3)	6.880	184	75046	44.261
91) Pentachlorobenzene	(3)	6.960	250	447352	49.217
92) 4-Nitrophenol	(3)	6.960	109	205263	48.339
93) Dibenzofuran	(3)	7.003	168	1493339	47.645
94) 2,4-Dinitrotoluene	(3)	7.009	165	317375	50.612
97) 1-Naphthylamine	(3)	7.083	143	1015148	49.742
98) 2,3,4,6-Tetrachlorophenol	(3)	7.132	232	222185	52.966
99) 2-Naphthylamine	(3)	7.163	143	998065	46.634
100) Diethylphthalate	(3)	7.274	149	1135234	47.790
102) Fluorene	(3)	7.335	166	1210907	48.258
104) 4-Chlorophenyl-phenylether	(3)	7.360	204	580334	47.875
105) 4-Nitroaniline	(3)	7.372	138	328605	48.279
106) 4,6-Dinitro-2-methylphenol	(4)	7.403	198	127486	50.294
109) N-Nitrosodiphenylamine	(4)	7.477	169	926389	54.889
110) 1,2-Diphenylhydrazine	(4)	7.507	77	1866016	50.597
114) Phorate	(4)	7.778	75	1125481	52.304
116) 4-Bromophenyl-phenylether	(4)	7.833	248	325248	50.997
117) Hexachlorobenzene	(4)	7.864	284	383371	51.545
124) Pentachlorophenol	(4)	8.067	266	157850	48.497
125) Phenanthrene-d10	(4)	8.245	188	1316542	40.000
126) Phenanthrene	(4)	8.270	178	1823375	53.380
127) Dinoseb	(4)	8.270	211	178508	49.602
130) Anthracene	(4)	8.319	178	1887433	53.515
131) Carbazole	(4)	8.485	167	1862835	54.431
133) Methyl parathion	(4)	8.645	109	461194	55.973
137) Di-n-butylphthalate	(4)	8.885	149	2042973	53.825
139) Parathion	(4)	9.038	109	339603	59.768
142) Fluoranthene	(4)	9.426	202	2193130	52.010
144) Benzidine	(5)	9.592	184	6846688	306.616
145) Pyrene	(5)	9.641	202	2336228	51.256
148) Butylbenzylphthalate	(5)	10.336	149	977709	51.337
153) 3,3'-Dichlorobenzidine	(5)	10.809	252	876990	51.699

M = Compound was manually integrated. A = User selected an alternate hit

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0679.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 02:23 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 07:12
Date, time and analyst ID of latest file update: 15-Jun-2006 07:29 rpb01568

Sample Name: SSTD050 Lab Sample ID: ICV0036

	Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
154)	Benzo(a)anthracene	(5)	10.815	228	2188944	49.623
157)	4,4'-Methylenebis(2-Chloroanil	(5)	10.821	231	410506	49.081
156)	Chrysene-d12	(5)	10.821	240	1531566	40.000
158)	Chrysene	(5)	10.846	228	2105659	49.126
159)	bis(2-Ethylhexyl)phthalate	(5)	10.920	149	1288598	49.164
160)	6-Methylchrysene	(5)	11.295	242	1598138	50.321
161)	Di-n-octylphthalate	(6)	11.559	149	2258409	48.428
163)	7,12-Dimethylbenz[a]anthracene	(6)	11.861	256	1093804	46.226
164)	Benzo(b)fluoranthene	(6)	11.854	252	2327407	47.496
165)	Benzo(k)fluoranthene	(6)	11.885	252	2584416	49.681
166)	Benzo(a)pyrene	(6)	12.156	252	2286982	48.726
167)	Perylene-d12	(6)	12.211	264	1574184	40.000
168)	3-Methylcholanthrene	(6)	12.488	268	1256216	48.000
169)	Dibenz(a,h)acridine	(6)	12.973	279	1915691	49.416
170)	Dibenz(a,j)acridine	(6)	13.023	279	2246351	49.789
171)	Indeno(1,2,3-cd)pyrene	(6)	13.189	276	2558644	47.918
172)	Dibenz(a,h)anthracene	(6)	13.213	278	2138475	50.472
173)	Benzo(g,h,i)perylene	(6)	13.447	276	2177929	48.021
7)	2-Fluorophenol	(1)	2.896	112	560649	46.687
10)	Phenol-d5	(1)	3.664	99	966673	48.406
11)	Phenol-d6	(1)	3.664	99	966673	48.406
35)	Nitrobenzene-d5	(2)	4.464	82	873105	50.138
71)	2-Fluorobiphenyl	(3)	6.167	172	1139083	49.491
112)	2,4,6-Tribromophenol	(3)	7.569	330	160244	52.329
147)	Terphenyl-d14	(5)	9.825	244	1485973	49.553

M = Compound was manually integrated. A = User selected an alternate hit

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Instrument ID: HP09910 Calibration Date: 06/15/06 Time: 09:10

Lab File ID: of0702.d Init. Calib. Date(s): 06/14/06 06/15/06

Init. Calib. Times(s): 23:13 01:39

Min RRF for SPCC(#) = 0.050 Max %Drift for CCC(*) = 20%

	COMPOUND	RRF	RRF30	ACTUAL CONC.	TRUE CONC.	% DRIFT
	N-Nitrosodimethylamine	1.619	1.514	28.070	30.0	-6
	Pyridine	2.820	2.668	28.390	30.0	-5
	2-Picoline	2.653	2.580	29.170	30.0	-3
*	Phenol	3.464	3.403	29.470	30.0	-2*
	Aniline	4.089	3.961	29.060	30.0	-3
	bis(2-Chloroethyl)ether	2.463	2.462	29.990	30.0	0
	2-Chlorophenol	1.495	1.453	29.150	30.0	-3
	1,3-Dichlorobenzene	1.556	1.562	30.120	30.0	0
*	1,4-Dichlorobenzene	1.602	1.603	30.020	30.0	0*
	Benzyl alcohol	1.511	1.455	28.900	30.0	-4
	1,2-Dichlorobenzene	1.524	1.544	30.390	30.0	1
	2-Methylphenol	2.108	2.059	29.310	30.0	-2
	2,2'-oxybis(1-Chloropropane)	1.824	1.880	30.920	30.0	3
	bis(2-Chloroisopropyl)ether	1.824	1.880	30.920	30.0	3
	Acetophenone	3.052	2.998	29.460	30.0	-2
#	N-Nitroso-di-n-propylamine	2.014	1.951	29.050	30.0	-3#
	4-Methylphenol	2.386	2.369	29.780	30.0	-1
	o-Toluidine	3.485	3.402	29.290	30.0	-2
	Hexachloroethane	0.685	0.702	30.720	30.0	2
	Nitrobenzene	0.645	0.624	29.020	30.0	-3
	Isophorone	1.278	1.276	29.940	30.0	0
*	2-Nitrophenol	0.152	0.154	30.380	30.0	1*
	2,4-Dimethylphenol	0.513	0.507	29.640	30.0	-1
	bis(2-Chloroethoxy)methane	0.640	0.660	30.950	30.0	3
	Benzoic acid	0.313	0.320	40.810	40.0	2
*	2,4-Dichlorophenol	0.277	0.283	30.660	30.0	2*
	1,2,4-Trichlorobenzene	0.310	0.312	30.270	30.0	1
	Naphthalene	1.140	1.126	29.630	30.0	-1
	4-Chloroaniline	0.477	0.468	29.480	30.0	-2
	2,6-Dichlorophenol	0.261	0.266	30.650	30.0	2
*	Hexachlorobutadiene	0.177	0.185	31.290	30.0	4*
	Quinoline	0.753	0.735	29.260	30.0	-2
	Caprolactam	0.182	0.170	28.040	30.0	-7
*	4-Chloro-3-methylphenol	0.445	0.438	29.500	30.0	-2*
	2-Methylnaphthalene	0.739	0.759	30.800	30.0	3
	1-Methylnaphthalene	0.680	0.683	30.130	30.0	0

6428

FORM VII SV-1

B1528 6-15-06

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Instrument ID: HP09910 Calibration Date: 06/15/06 Time: 09:10

Lab File ID: of0702.d Init. Calib. Date(s): 06/14/06 06/15/06

Init. Calib. Times(s): 23:13 01:39

Min RRF for SPCC(#) = 0.050 Max %Drift for CCC(*) = 20%

	COMPOUND	RRF	RRF30	ACTUAL CONC.	TRUE CONC.	% DRIFT
#	Hexachlorocyclopentadiene	0.241	0.277	32.680	30.0	9#
	1,2,4,5-Tetrachlorobenzene	0.520	0.544	31.380	30.0	5
*	2,4,6-Trichlorophenol	0.299	0.299	29.990	30.0	0*
	2,4,5-Trichlorophenol	0.373	0.372	29.930	30.0	0
	Biphenyl	1.531	1.539	30.170	30.0	1
	Diphenyl	1.531	1.539	30.170	30.0	1
	1,1'-Biphenyl	1.531	1.539	30.170	30.0	1
	2-Chloronaphthalene	1.335	1.428	32.090	30.0	7
	1-Chloronaphthalene	1.106	1.122	30.450	30.0	2
	Diphenyl ether	0.826	0.849	30.840	30.0	3
	2-Nitroaniline	0.395	0.380	28.910	30.0	-4
	Dimethylphthalate	1.330	1.357	30.610	30.0	2
	2,6-Dinitrotoluene	0.296	0.298	30.220	30.0	1
	Acenaphthylene	1.855	1.840	29.770	30.0	-1
	3-Nitroaniline	0.343	0.336	29.380	30.0	-2
*	Acenaphthene	1.191	1.211	30.510	30.0	2*
#	2,4-Dinitrophenol	0.093	0.095	40.050	40.0	0#
	Pentachlorobenzene	0.526	0.550	31.350	30.0	5
#	4-Nitrophenol	0.246	0.231	28.250	30.0	-6#
	Dibenzofuran	1.814	1.840	30.430	30.0	1
	2,4-Dinitrotoluene	0.363	0.367	30.340	30.0	1
	1-Naphthylamine	1.181	1.166	29.620	30.0	-1
	2,3,4,6-Tetrachlorophenol	0.243	0.250	30.830	30.0	3
	2-Naphthylamine	1.239	1.233	29.860	30.0	0
	Diethylphthalate	1.375	1.413	30.820	30.0	3
	Fluorene	1.453	1.446	29.870	30.0	0
	4-Chlorophenyl-phenylether	0.702	0.718	30.690	30.0	2
	4-Nitroaniline	0.394	0.373	28.400	30.0	-5
	4,6-Dinitro-2-methylphenol	0.068	0.070	29.830	30.0	-1
*	N-Nitrosodiphenylamine (1)	0.513	0.533	31.210	30.0	4*
	1,2-Diphenylhydrazine	1.121	1.171	31.360	30.0	5
	Phorate	0.654	0.697	31.960	30.0	7
	4-Bromophenyl-phenylether	0.194	0.206	31.830	30.0	6
	Hexachlorobenzene	0.226	0.239	31.790	30.0	6
*	Pentachlorophenol	0.099	0.108	43.620	40.0	9*
	Phenanthrene	1.038	1.059	30.600	30.0	2

(1) Cannot be Separated from Diphenylamine

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Instrument ID: HP09910 Calibration Date: 06/15/06 Time: 09:10

Lab File ID: of0702.d Init. Calib. Date(s): 06/14/06 06/15/06

Init. Calib. Times(s): 23:13 01:39

Min RRF for SPCC(#) = 0.050 Max %Drift for CCC(*) = 20%

COMPOUND	RRF	RRF30	ACTUAL CONC.	TRUE CONC.	% DRIFT
Dinoseb	0.091	0.098	29.920	30.0	0
Anthracene	1.072	1.092	30.570	30.0	2
Carbazole	1.040	1.012	29.190	30.0	-3
Methyl parathion	0.250	0.272	32.570	30.0	9
Ronnel	0.260	0.281	32.380	30.0	8
Di-n-butylphthalate	1.153	1.222	31.790	30.0	6
Parathion	0.173	0.179	31.100	30.0	4
* Fluoranthene	1.281	1.267	29.670	30.0	-1*
Benzidine	0.583	0.617	95.140	90.0	6
Pyrene	1.190	1.246	31.410	30.0	5
Butylbenzylphthalate	0.497	0.530	31.960	30.0	7
3,3'-Dichlorobenzidine	0.443	0.445	30.160	30.0	1
Benzo(a)anthracene	1.152	1.150	29.940	30.0	0
Hexabromobenzene	0.010	0.010	31.330	30.0	4
4,4'-Methylenebis(2-Chloroanil	0.218	0.224	30.830	30.0	3
Chrysene	1.119	1.129	30.270	30.0	1
bis(2-Ethylhexyl)phthalate	0.684	0.745	32.650	30.0	9
6-Methylchrysene	0.830	0.835	30.190	30.0	1
* Di-n-octylphthalate	1.185	1.287	32.590	30.0	9*
7,12-Dimethylbenz[a]anthracene	0.564	0.609	30.850	30.0	3
Benzo(b)fluoranthene	1.245	1.281	30.870	30.0	3
Benzo(k)fluoranthene	1.322	1.378	31.270	30.0	4
* Benzo(a)pyrene	1.193	1.199	30.170	30.0	1*
3-Methylcholanthrene	0.665	0.668	30.130	30.0	0
Dibenz(a,h)acridine	0.985	0.987	30.050	30.0	0
Dibenz(a,j)acridine	1.146	1.149	30.070	30.0	0
Indeno(1,2,3-cd)pyrene	1.357	1.342	29.670	30.0	-1
Dibenz(a,h)anthracene	1.077	1.079	30.060	30.0	0
Benzo(g,h,i)perylene	1.152	1.145	29.810	30.0	-1
2-Fluorophenol	1.779	1.751	29.520	30.0	-2
Phenol-d5	2.959	2.866	29.060	30.0	-3
Phenol-d6	2.959	2.866	29.060	30.0	-3
Nitrobenzene-d5	0.609	0.586	28.860	30.0	-4
2-Fluorobiphenyl	1.332	1.371	30.860	30.0	3
2,4,6-Tribromophenol	0.177	0.181	30.640	30.0	2

7C cont

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Instrument ID: HP09910 Calibration Date: 06/15/06 Time: 09:10

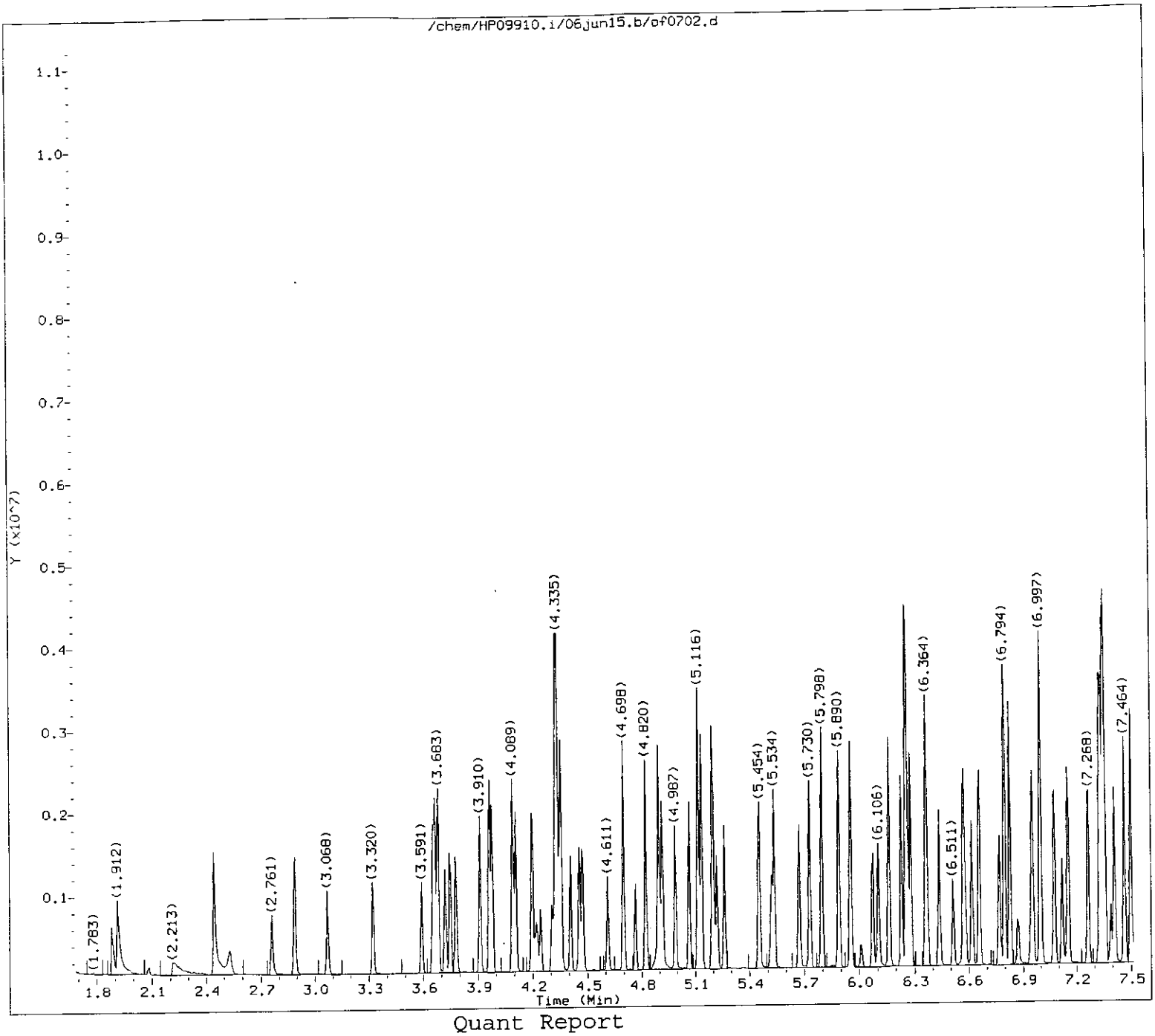
Lab File ID: of0702.d Init. Calib. Date(s): 06/14/06 06/15/06

Init. Calib. Times(s): 23:13 01:39

Min RRF for SPCC(#) = 0.050 Max %Drift for CCC(*) = 20%

COMPOUND	RRF	RRF30	ACTUAL CONC.	TRUE CONC.	% DRIFT
Terphenyl-d14	0.783	0.836	32.010	30.0	7
			Average %Drift:		3

6431



Quant Report

Target Revision 3.5

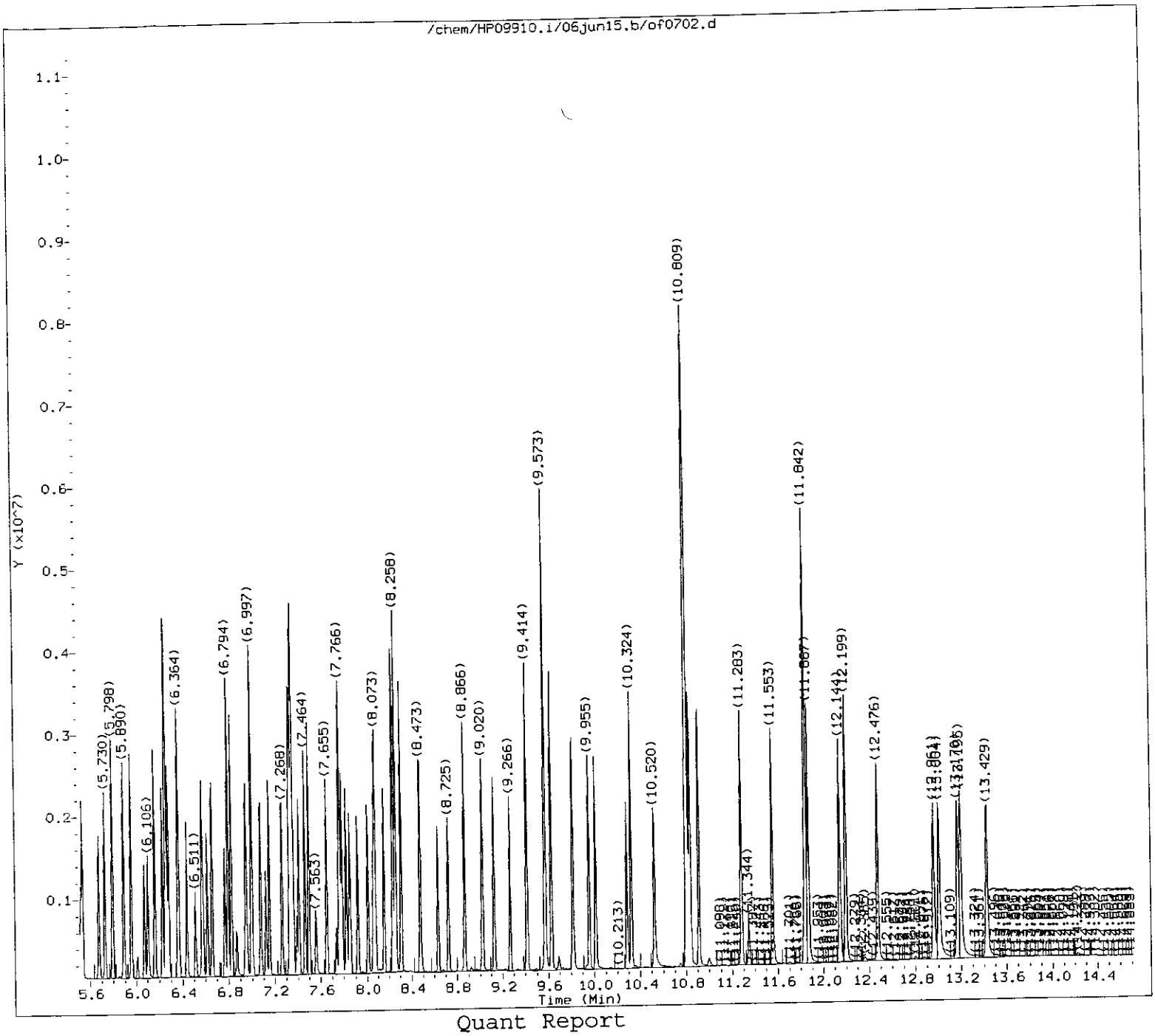
Data File: /chem/HP09910.i/06jun15.b/of0702.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 09:10 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 09:40
Date, time and analyst ID of latest file update: 15-Jun-2006 09:40 rpb01568

Sample Name: SSTD030 Lab Sample ID: STD1576

0432

RB 6-15-06



Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun15.b/of0702.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 09:10 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 09:40
Date, time and analyst ID of latest file update: 15-Jun-2006 09:40 rpb01568

Sample Name: SSTD030 Lab Sample ID: STD1576

RB 1028
6-15-06

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun15.b/of0702.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 09:10 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 09:40
Date, time and analyst ID of latest file update: 15-Jun-2006 09:40 rpb01568

Sample Name: SSTD030 Lab Sample ID: STD1576

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
1) N-Nitrosodimethylamine	(1)	1.881	74	275461M	28.066
2) Pyridine	(1)	1.912	79	485386	28.388
4) 2-Picoline	(1)	2.441	93	469262	29.168
12) Phenol	(1)	3.665	94	618983	29.471
13) Aniline	(1)	3.683	93	720516	29.059
17) bis(2-Chloroethyl)ether	(1)	3.744	93	447917	29.985
18) 2-Chlorophenol	(1)	3.775	128	264251	29.153
19) 1,3-Dichlorobenzene	(1)	3.910	146	284205	30.120
20) 1,4-Dichlorobenzene-d4	(1)	3.966	152	242556	40.000
21) 1,4-Dichlorobenzene	(1)	3.978	146	291683	30.017
24) Benzyl alcohol	(1)	4.089	108	264751	28.898
25) 1,2-Dichlorobenzene	(1)	4.107	146	280899	30.387
26) 2-Methylphenol	(1)	4.199	108	374636	29.314
27) 2,2'-oxybis(1-Chloropropane)	(1)	4.218	45	342091	30.924
28) bis(2-Chloroisopropyl)ether	(1)	4.218	45	342091	30.923
30) Acetophenone	(1)	4.322	105	545337	29.462
31) N-Nitroso-di-n-propylamine	(1)	4.335	70	354841	29.053
32) 4-Methylphenol	(1)	4.335	108	430980	29.784
33) o-Toluidine	(1)	4.353	106	618930	29.287
34) Hexachloroethane	(1)	4.409	117	127701	30.725
36) Nitrobenzene	(2)	4.470	77	482286	29.016
40) Isophorone	(2)	4.698	82	986487	29.942
41) 2-Nitrophenol	(2)	4.765	139	119053	30.380
42) 2,4-Dimethylphenol	(2)	4.820	107	392009	29.642
43) bis(2-Chloroethoxy)methane	(2)	4.913	93	510714	30.955
44) Benzoic acid	(2)	4.907	105	329789	40.810
45) 2,4-Dichlorophenol	(2)	4.987	162	218753	30.663
46) 1,2,4-Trichlorobenzene	(2)	5.066	180	241611	30.268
47) Naphthalene-d8	(2)	5.116	136	1031208	40.000
48) Naphthalene	(2)	5.134	128	870822	29.626
49) 4-Chloroaniline	(2)	5.196	127	362338	29.476
50) 2,6-Dichlorophenol	(2)	5.202	162	205982	30.650
51) Hexachlorobutadiene	(2)	5.263	225	142963	31.287
52) Quinoline	(2)	5.454	129	568207	29.258
53) Caprolactam	(2)	5.521	113	131552	28.045
60) 4-Chloro-3-methylphenol	(2)	5.675	107	338410	29.503
61) 2-Methylnaphthalene	(2)	5.798	142	586811	30.803
62) 1-Methylnaphthalene	(2)	5.890	142	528387	30.127
66) Hexachlorocyclopentadiene	(3)	5.952	237	129878	32.684
67) 1,2,4,5-Tetrachlorobenzene	(3)	5.958	216	254706	31.380
68) 2,4,6-Trichlorophenol	(3)	6.075	196	139860	29.994
69) 2,4,5-Trichlorophenol	(3)	6.106	196	174090	29.928
72) Biphenyl	(3)	6.253	154	720834	30.168

M = Compound was manually integrated. A = User selected an alternate hit

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun15.b/of0702.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 09:10 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 09:40
Date, time and analyst ID of latest file update: 15-Jun-2006 09:40 rpb01568

Sample Name: SSTD030 Lab Sample ID: STD1576

	Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
73)	Diphenyl	(3)	6.253	154	720834	30.168
74)	1,1'-Biphenyl	(3)	6.253	154	720834	30.168
75)	2-Chloronaphthalene	(3)	6.259	162	668784M	32.086
76)	1-Chloronaphthalene	(3)	6.278	162	525525M	30.452
77)	Diphenyl ether	(3)	6.364	170	397664	30.840
79)	2-Nitroaniline	(3)	6.370	138	178189	28.912
80)	Dimethylphthalate	(3)	6.573	163	635607	30.610
81)	2,6-Dinitrotoluene	(3)	6.616	165	139522	30.218
82)	Acenaphthylene	(3)	6.659	152	861890	29.769
83)	3-Nitroaniline	(3)	6.770	138	157402	29.383
85)	Acenaphthene-d10	(3)	6.794	164	624404	40.000
89)	Acenaphthene	(3)	6.825	153	567075	30.506
90)	2,4-Dinitrophenol	(3)	6.874	184	59369	40.051
91)	Pentachlorobenzene	(3)	6.954	250	257509	31.353
92)	4-Nitrophenol	(3)	6.948	109	108403	28.252
93)	Dibenzofuran	(3)	6.997	168	861733	30.427
94)	2,4-Dinitrotoluene	(3)	7.003	165	171924	30.341
97)	1-Naphthylamine	(3)	7.077	143	546233	29.620
98)	2,3,4,6-Tetrachlorophenol	(3)	7.120	232	116875	30.833
99)	2-Naphthylamine	(3)	7.151	143	577490	29.861
100)	Diethylphthalate	(3)	7.268	149	661514	30.818
102)	Fluorene	(3)	7.329	166	677304	29.871
104)	4-Chlorophenyl-phenylether	(3)	7.348	204	336158	30.689
105)	4-Nitroaniline	(3)	7.360	138	174677	28.401
106)	4,6-Dinitro-2-methylphenol	(4)	7.391	198	65190	29.830
109)	N-Nitrosodiphenylamine	(4)	7.464	169	497875	31.207
110)	1,2-Diphenylhydrazine	(4)	7.501	77	1093413	31.364
114)	Phorate	(4)	7.766	75	650127	31.963
116)	4-Bromophenyl-phenylether	(4)	7.821	248	191892	31.830
117)	Hexachlorobenzene	(4)	7.852	284	223527	31.794
124)	Pentachlorophenol	(4)	8.055	266	134191	43.616
125)	Phenanthrene-d10	(4)	8.233	188	1244485	40.000
126)	Phenanthrene	(4)	8.258	178	987978	30.598
127)	Dinoseb	(4)	8.258	211	91391	29.917
130)	Anthracene	(4)	8.307	178	1019247	30.572
131)	Carbazole	(4)	8.479	167	944316	29.190
133)	Methyl parathion	(4)	8.633	109	253647	32.566
134)	Ronnel	(4)	8.725	285	261846	32.384
137)	Di-n-butylphthalate	(4)	8.866	149	1140672	31.793
139)	Parathion	(4)	9.026	109	167051	31.102
142)	Fluoranthene	(4)	9.414	202	1182607	29.669
144)	Benzidine	(5)	9.573	184	1766514	95.142
145)	Pyrene	(5)	9.629	202	1190417	31.410

M = Compound was manually integrated. A = User selected an alternate hit

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun15.b/of0702.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 09:10 Analyst ID: rpb01568

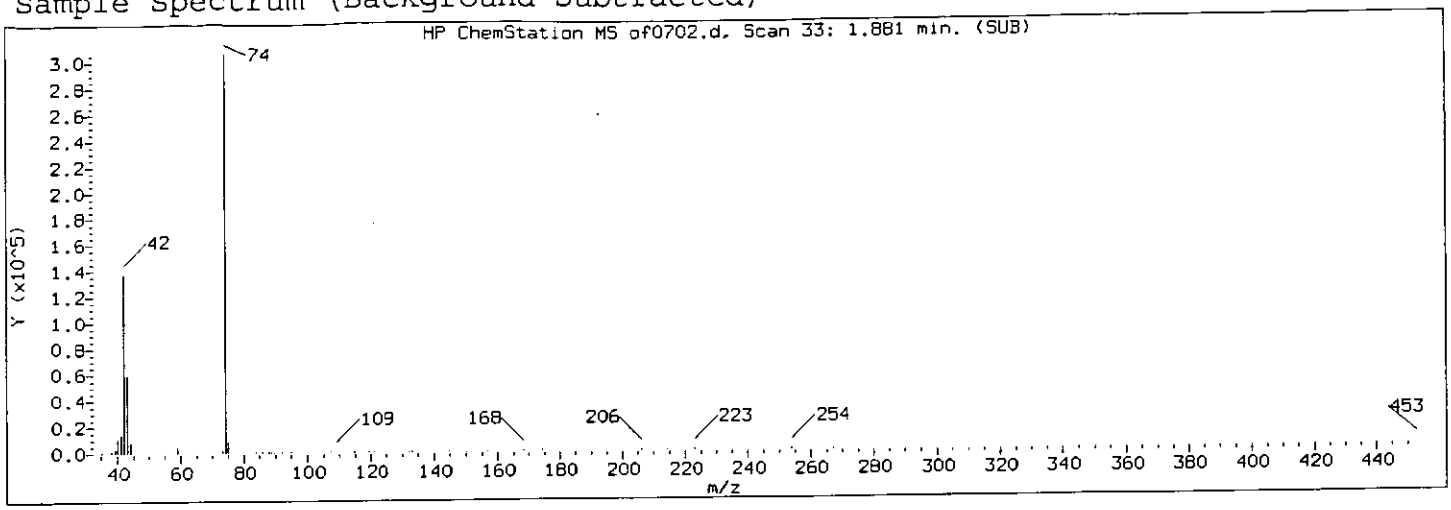
Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 09:40
Date, time and analyst ID of latest file update: 15-Jun-2006 09:40 rpb01568

Sample Name: SSTD030 Lab Sample ID: STD1576

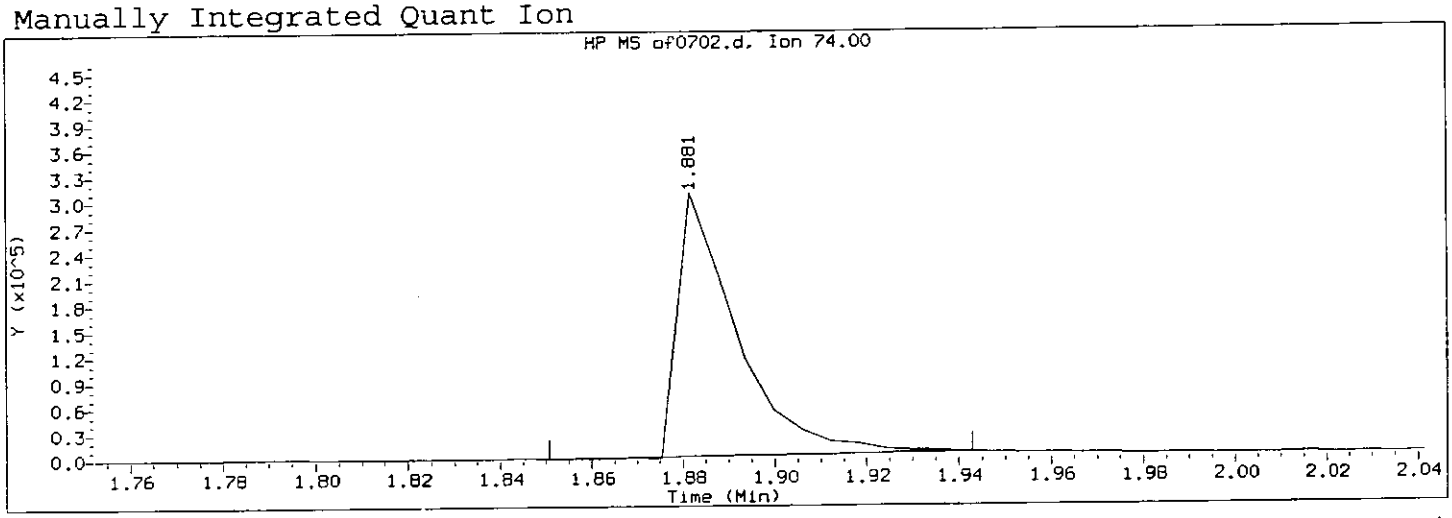
	Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
148)	Butylbenzylphthalate	(5)	10.324	149	506160	31.963
153)	3,3'-Dichlorobenzidine	(5)	10.803	252	425332	30.155
154)	Benzo(a)anthracene	(5)	10.803	228	1098316	29.945
155)	Hexabromobenzene	(5)	10.809	552	9823	31.334
157)	4,4'-Methylenebis(2-Chloroanil	(5)	10.815	231	214383	30.827
156)	Chrysene-d12	(5)	10.809	240	1273481	40.000
158)	Chrysene	(5)	10.834	228	1078689	30.267
159)	bis(2-Ethylhexyl)phthalate	(5)	10.914	149	711627	32.653
160)	6-Methylchrysene	(5)	11.283	242	797220	30.189
161)	Di-n-octylphthalate	(6)	11.553	149	1155191	32.586
163)	7,12-Dimethylbenz[a]anthracene	(6)	11.842	256	547005	30.850
164)	Benzo(b)fluoranthene	(6)	11.842	252	1149877	30.869
165)	Benzo(k)fluoranthene	(6)	11.867	252	1236476	31.268
166)	Benzo(a)pyrene	(6)	12.144	252	1076528	30.173
167)	Perylene-d12	(6)	12.199	264	1196647	40.000
168)	3-Methylcholanthrene	(6)	12.476	268	599427	30.130
169)	Dibenz(a,h)acridine	(6)	12.961	279	885522	30.049
170)	Dibenz(a,j)acridine	(6)	13.004	279	1031255	30.069
171)	Indeno(1,2,3-cd)pyrene	(6)	13.170	276	1204286	29.670
172)	Dibenz(a,h)anthracene	(6)	13.195	278	968228	30.061
173)	Benzo(g,h,i)perylene	(6)	13.429	276	1027608	29.806
7)	2-Fluorophenol	(1)	2.890	112	318491	29.519
10)	Phenol-d5	(1)	3.652	99	521331	29.056
11)	Phenol-d6	(1)	3.652	99	521331	29.056
35)	Nitrobenzene-d5	(2)	4.458	82	453392	28.863
71)	2-Fluorobiphenyl	(3)	6.161	172	641856	30.862
112)	2,4,6-Tribromophenol	(3)	7.563	330	84783	30.640
147)	Terphenyl-d14	(5)	9.819	244	798079	32.008

M = Compound was manually integrated. A = User selected an alternate hit

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP09910.i/06jun15.b/of0702.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 09:10 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 09:40
Date, time and analyst ID of latest file update: 15-Jun-2006 09:40 rpb01568

Sample Name: SSTD030 Lab Sample ID: STD1576

Compound Number : 1
Compound Name : N-Nitrosodimethylamine
Scan Number : 33
Retention Time (minutes): 1.881
Quant Ion : 74
Area (flag) : 275461 M
Concentration (ng/ul) : 28.0662
Integration start scan : 27 Integration stop scan: 42
Y at integration start : 300 Y at integration end: 6027

Reason for manual integration (circle one): missed peak improper integration

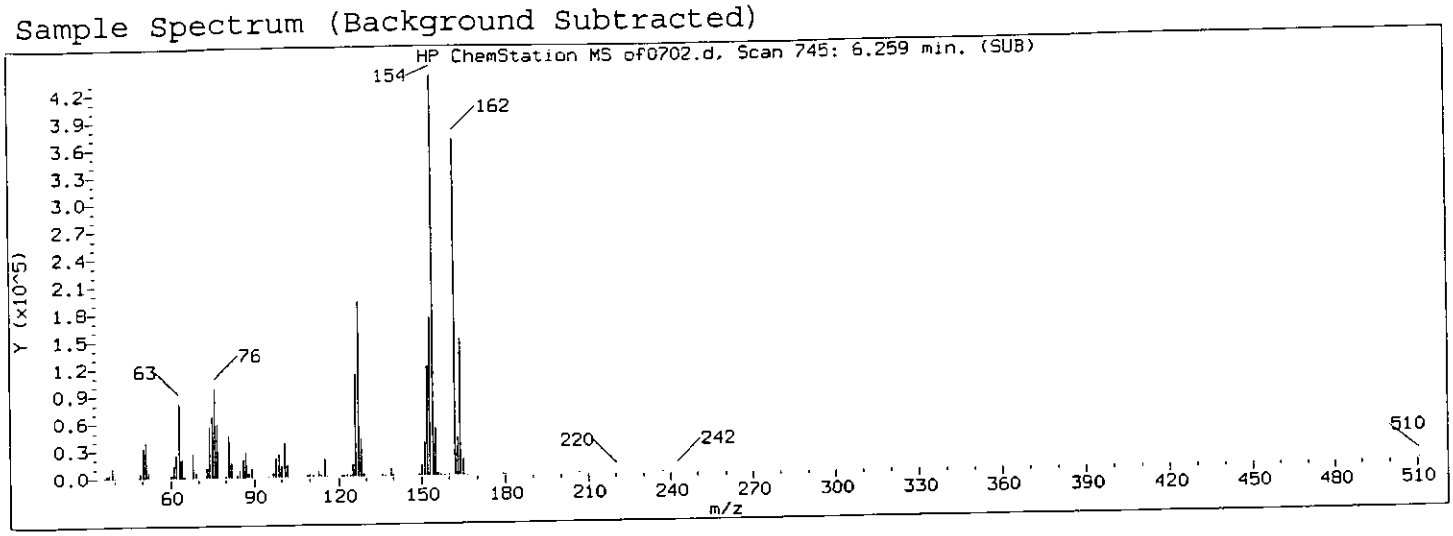
Analyst responsible for change: RB1758 6-15-06

0437

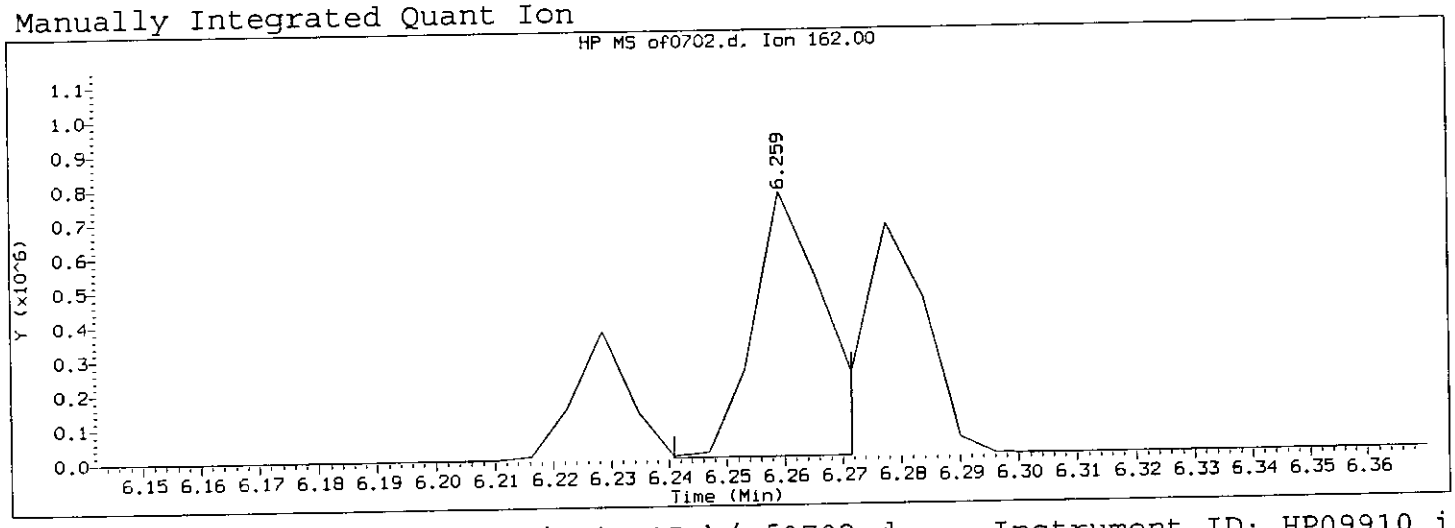
GC/MS audit/management approval: mp1758 6/16/06

Manual Integration Report for data file /chem/HP09910.i/06jun15.b/of0702.d, generated on 06/15/2006 at 09:40

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP09910.i/06jun15.b/of0702.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 09:10 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 09:40
Date, time and analyst ID of latest file update: 15-Jun-2006 09:40 rpb01568

Sample Name: SSTD030 Lab Sample ID: STD1576

Compound Number	:	75
Compound Name	:	2-Chloronaphthalene
Scan Number	:	745
Retention Time (minutes)	:	6.259
Quant Ion	:	162
Area (flag)	:	668784 M
Concentration (ng/ul)	:	32.0858
Integration start scan	:	741 Integration stop scan: 746
Y at integration start	:	50 Y at integration end: 60

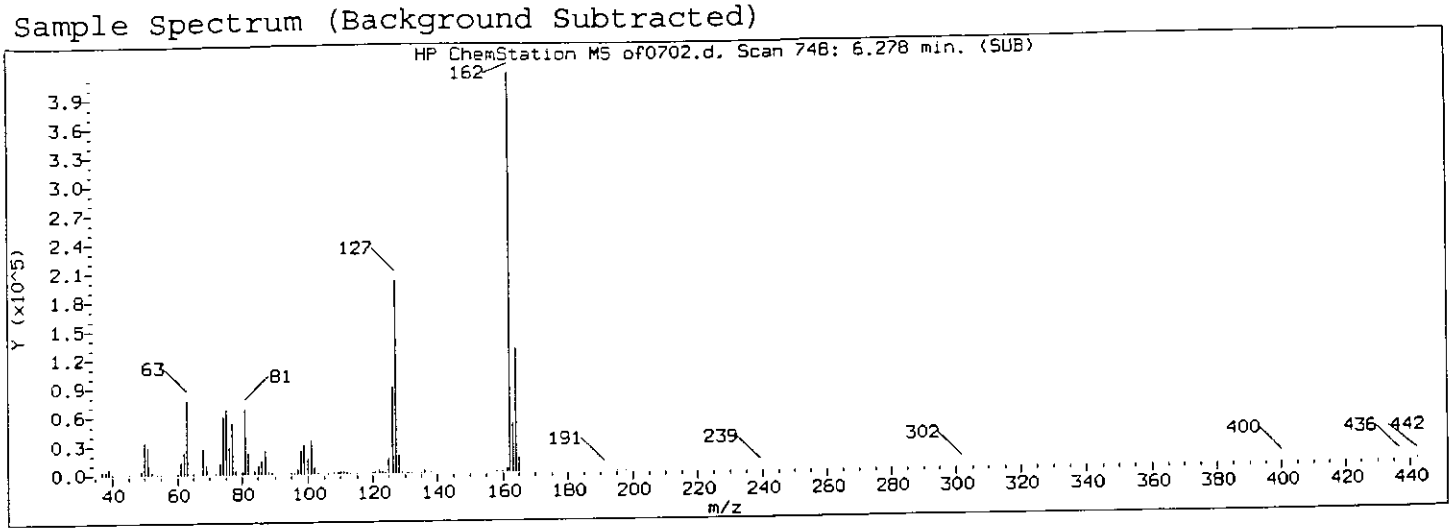
Reason for manual integration (circle one): missed peak (improper integration)

Analyst responsible for change: RB 1528 6-15-06

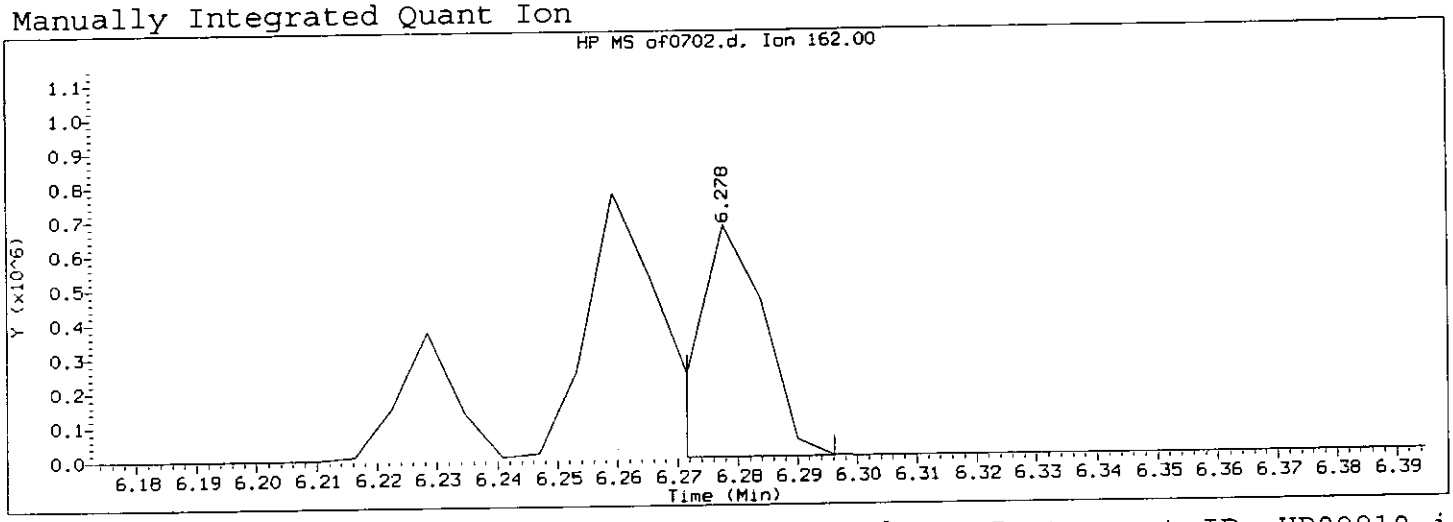
GC/MS audit/management approval: mp1758 6/16/06

Manual Integration Report for data file /chem/HP09910.i/06jun15.b/of0702.d, generated on 06/15/2006 at 09:40

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP09910.i/06jun15.b/of0702.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 09:10 Analyst ID: rpb01568

Method used: /chem/HP09910.i/06jun15.b/zebron32.m Sublist used: all1
Calibration date and time: 15-JUN-2006 09:40
Date, time and analyst ID of latest file update: 15-Jun-2006 09:40 rpb01568

Sample Name: SSTD030 Lab Sample ID: STD1576

Compound Number	:	76
Compound Name	:	1-Chloronaphthalene
Scan Number	:	748
Retention Time (minutes)	:	6.278
Quant Ion	:	162
Area (flag)	:	525525 M
Concentration (ng/ul)	:	30.4519
Integration start scan	:	746 Integration stop scan: 750
Y at integration start	:	897 Y at integration end: 897

Reason for manual integration (circle one): missed peak (improper integration)

Analyst responsible for change: RB 1528 6-15-06

0439

GC/MS audit/management approval: mp1758 6/16/06

Raw QC Data

Data File: /chem/HP09910.i/06jun14a.b/of0670.d

Date : 14-JUN-2006 22:59

Client ID: DFTPP

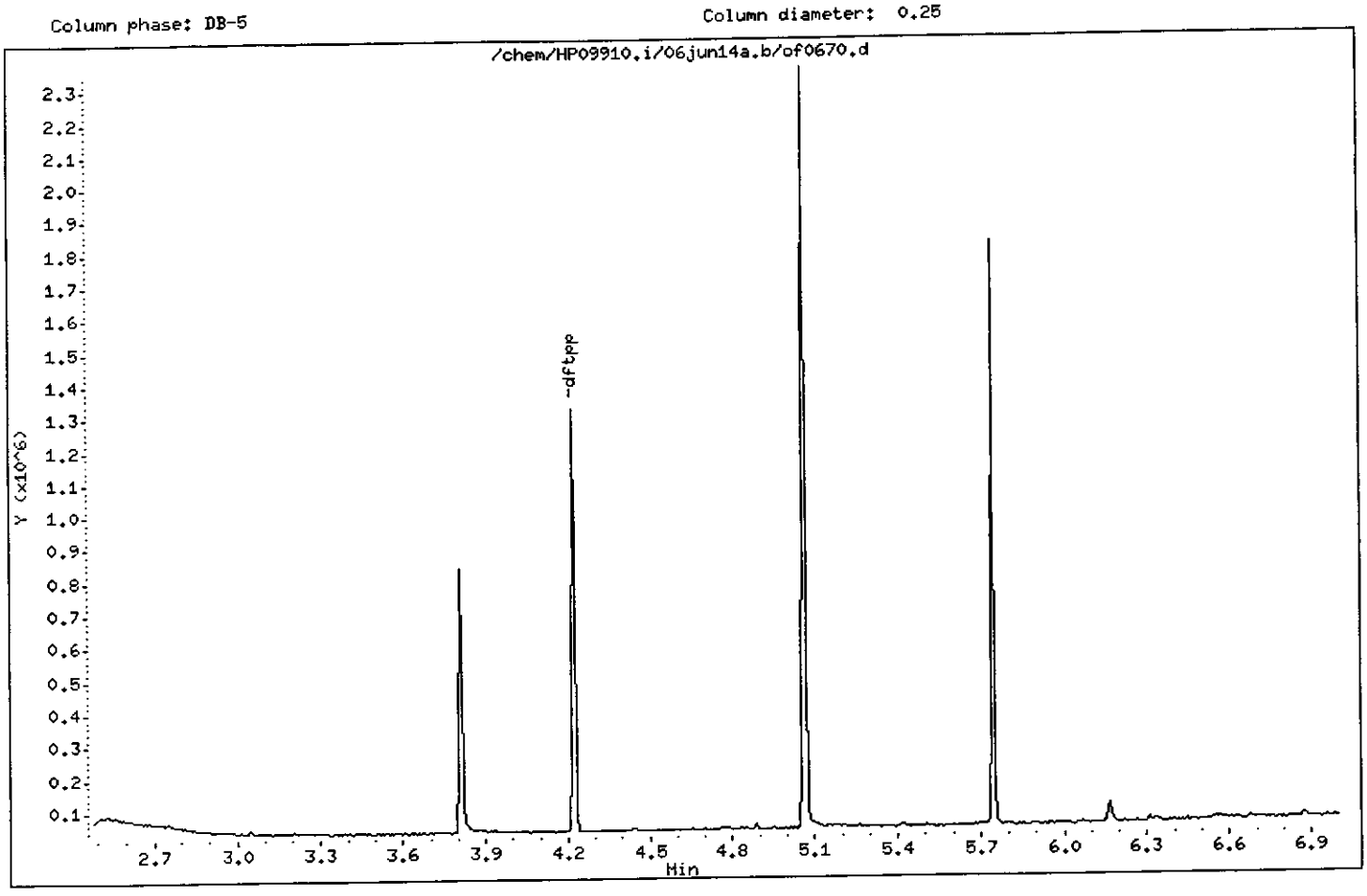
Instrument: HP09910.i

Sample Info: DFTPP;8270DFTPP1116;

Operator: lmh00956

Column phase: DB-5

Column diameter: 0.25



Data File: /chem/HP09910.i/06jun14a.b/of0670.d

Date : 14-JUN-2006 22:59

Client ID: DFTPP

Instrument: HP09910.i

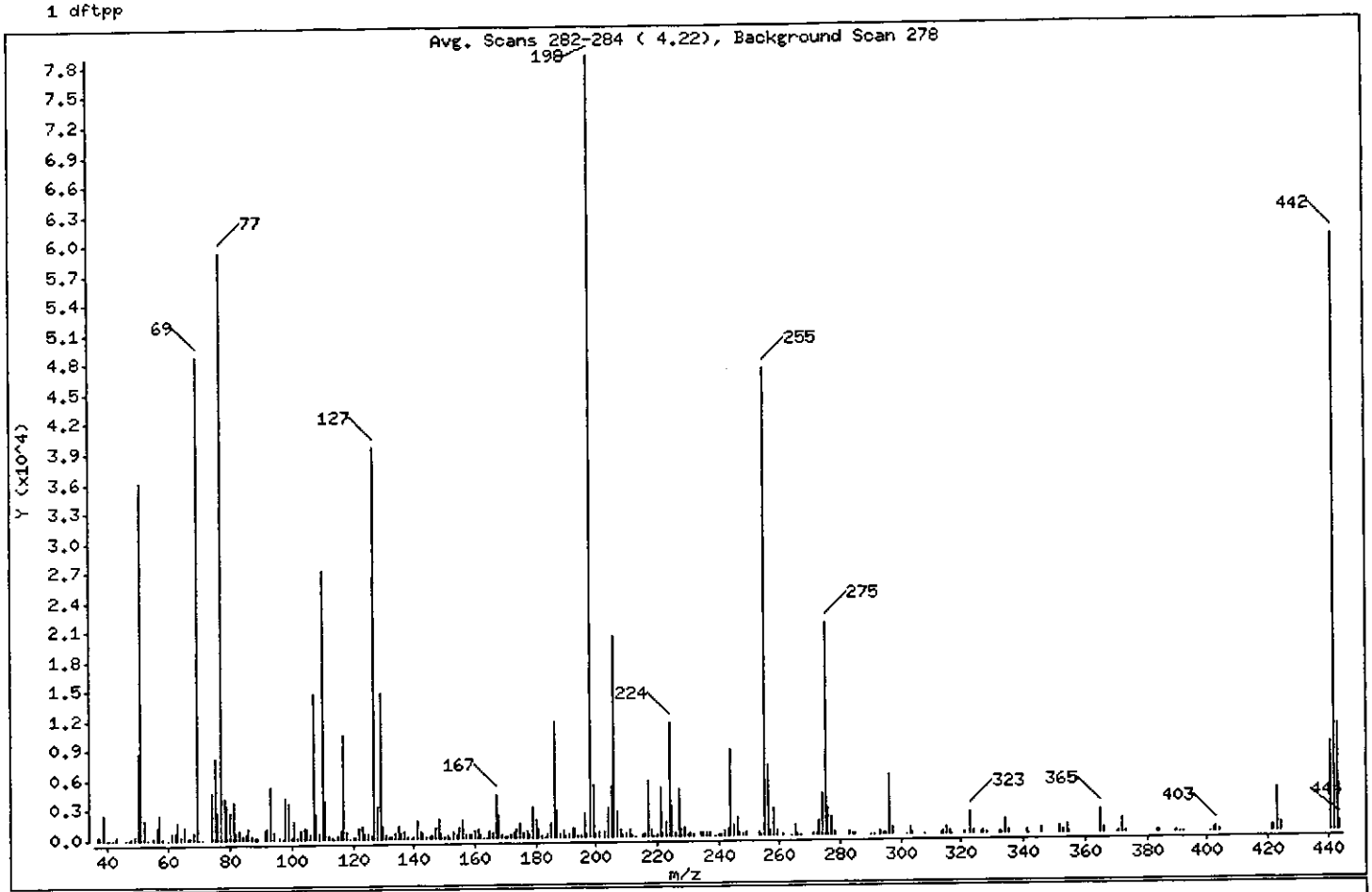
Sample Info: DFTPP;8270DFTPP1116;

Operator: lmh00956

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	45.84
68	Less than 2.00% of mass 69	0.86 (1.38)
69	Mass 69 relative abundance	61.89
70	Less than 2.00% of mass 69	0.01 (0.02)
127	40.00 - 60.00% of mass 198	50.03
197	Less than 1.00% of mass 198	0.49
199	5.00 - 9.00% of mass 198	6.56
275	10.00 - 30.00% of mass 198	27.13
365	Greater than 1.00% of mass 198	2.97
441	Present, but less than mass 443	11.37
442	40.00 - 99.99% of mass 198	76.12
443	17.00 - 23.00% of mass 442	13.48 (17.71)

0442

Data File: /chem/HP09910.i/06jun14a.b/of0670.d

Date : 14-JUN-2006 22:59

Client ID: DFTPP

Instrument: HP09910.i

Sample Info: DFTPP;8270DFTPP1116;

Operator: lmh00956

Column phase: DB-5

Column diameter: 0.25

Data File: of0670.d

Spectrum: Avg. Scans 282-284 (4.22), Background Scan 278

Location of Maximum: 198.00

Number of points: 281

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	281	116.00	910	187.00	2720	271.00	157
38.00	429	117.00	10436	188.00	394	272.00	209
39.00	2458	118.00	772	189.00	810	273.00	1541
40.00	54	119.00	37	190.00	198	274.00	4104
41.00	36	120.00	228	191.00	359	275.00	21400
42.00	7	121.00	124	192.00	892	276.00	2738
43.00	279	122.00	1014	193.00	913	277.00	1834
46.00	58	123.00	1325	194.00	237	278.00	309
47.00	60	124.00	463	195.00	150	283.00	394
48.00	126	125.00	589	196.00	2385	284.00	205
49.00	328	126.00	300	197.00	388	285.00	263
50.00	8759	127.00	39464	198.00	78896	290.00	69
51.00	36168	128.00	3249	199.00	5174	291.00	57
52.00	1993	129.00	14685	200.00	442	293.00	405
53.00	80	130.00	1333	201.00	494	294.00	177
55.00	248	131.00	388	203.00	626	295.00	244
56.00	1225	132.00	105	204.00	2882	296.00	5966
57.00	2511	133.00	237	205.00	5073	297.00	788
58.00	155	134.00	509	206.00	20336	302.00	75
60.00	86	135.00	1221	207.00	2591	303.00	736
61.00	666	136.00	564	208.00	735	304.00	163
62.00	722	137.00	663	209.00	239	308.00	55
63.00	1741	138.00	159	210.00	327	313.00	166
64.00	421	139.00	54	211.00	700	314.00	331
65.00	1188	140.00	98	212.00	181	315.00	650
66.00	206	141.00	1753	213.00	61	316.00	311
67.00	137	142.00	698	215.00	121	317.00	81
68.00	675	143.00	548	216.00	449	321.00	205
69.00	48832	144.00	216	217.00	5591	323.00	2115
70.00	9	145.00	119	218.00	680	324.00	402
71.00	42	146.00	306	219.00	68	326.00	102
74.00	4634	147.00	1045	220.00	103	327.00	300
75.00	8072	148.00	2028	221.00	4914	328.00	267
76.00	2699	149.00	576	222.00	354	332.00	251
77.00	59312	150.00	134	223.00	1414	333.00	128

Data File: /chem/HP09910.i/06jun14a.b/of0670.d

Date : 14-JUN-2006 22:59

Client ID: DFTPP

Instrument: HP09910.i

Sample Info: DFTPP;8270DFTPP1116;

Operator: lmh00956

Column phase: DB-5

Column diameter: 0.25

Data File: of0670.d

Spectrum: Avg. Scans 282-284 (4.22), Background Scan 278

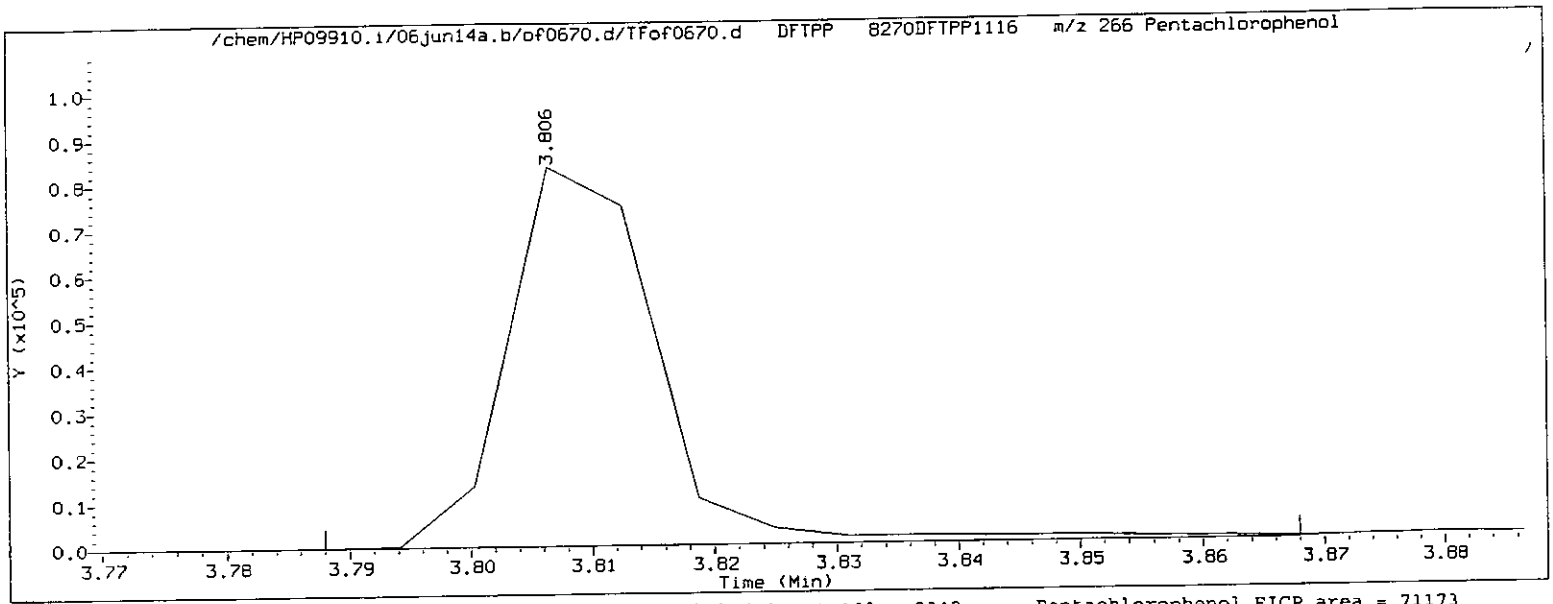
Location of Maximum: 198.00

Number of points: 281

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	4081	151.00	366	224.00	11484	334.00	1424
79.00	3525	152.00	38	225.00	3028	335.00	275
80.00	2759	153.00	759	226.00	345	341.00	295
81.00	3804	154.00	437	227.00	4770	342.00	59
82.00	744	155.00	1152	228.00	776	346.00	485
83.00	860	156.00	1811	229.00	938	352.00	710
84.00	346	157.00	390	230.00	171	353.00	429
85.00	563	158.00	352	231.00	377	354.00	832
86.00	1176	159.00	313	232.00	98	355.00	232
87.00	274	160.00	652	234.00	365	365.00	2342
88.00	152	161.00	905	235.00	401	366.00	494
89.00	214	162.00	321	236.00	301	370.00	73
91.00	956	163.00	60	237.00	342	371.00	122
92.00	1054	164.00	84	239.00	87	372.00	1361
93.00	5342	165.00	648	240.00	144	373.00	222
94.00	767	166.00	523	241.00	206	383.00	224
96.00	270	167.00	4364	242.00	557	384.00	193
97.00	5	168.00	2337	243.00	681	389.00	55
98.00	4226	169.00	349	244.00	8773	390.00	132
99.00	3707	170.00	211	245.00	1178	391.00	68
100.00	114	171.00	153	246.00	1883	392.00	50
101.00	1830	172.00	337	247.00	377	401.00	77
102.00	135	173.00	589	248.00	157	402.00	335
103.00	843	174.00	966	249.00	323	403.00	576
104.00	1094	175.00	1509	253.00	274	404.00	257
105.00	1045	176.00	593	254.00	159	421.00	556
106.00	603	177.00	816	255.00	47120	422.00	568
107.00	14714	178.00	343	256.00	7019	423.00	4328
108.00	2569	179.00	3100	257.00	587	424.00	868
109.00	563	180.00	1863	258.00	2668	441.00	8971
110.00	27216	181.00	824	259.00	488	442.00	60056
111.00	3848	182.00	238	261.00	123	443.00	10639
112.00	431	183.00	68	264.00	81	444.00	830
113.00	246	184.00	309	265.00	1177		
114.00	39	185.00	1450	266.00	91		

Assessment of GC Column Performance and Injection Port Inertness for

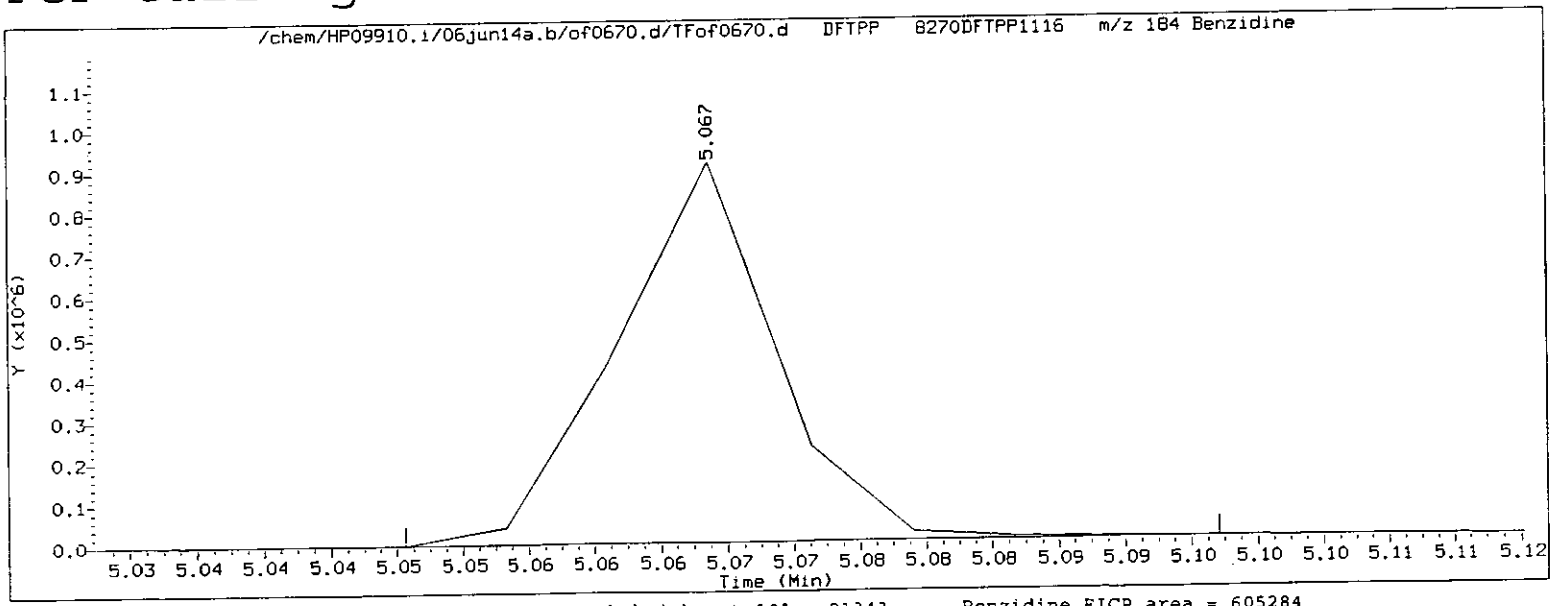
Instrument ID: HP09910.i Injection Date: 14-JUN-2006 22:59 Operator: lmh00956



Pentachlorophenol EICP peak height = 83424 EICP peak height at 10% = 8342 Pentachlorophenol EICP area = 71173

Pentachlorophenol EICP peak apex (min.) = 3.806
RT at 10% of front half of EICP (min.) = 3.798
RT at 10% of back half of EICP (min.) = 3.820
'Front' peak width (min.) = 0.0084833333
'Tailing' peak width (min.) = 0.0139833333

PCP tailing factor = $\frac{\text{'Tailing' peak width (min.)}}{\text{'Front' peak width (min.)}} = \frac{0.0139833333}{0.0084833333} = 1.648$



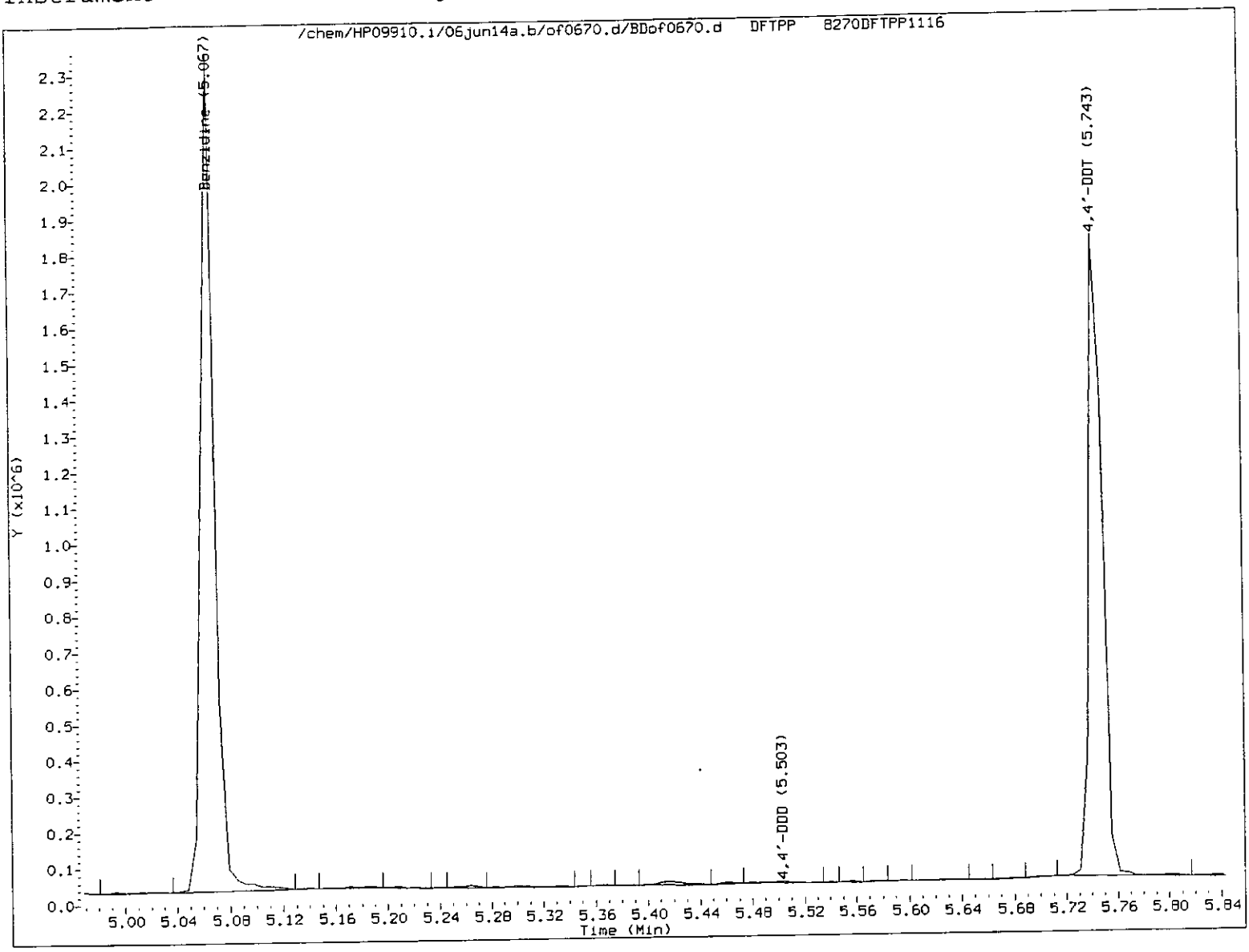
Benzidine EICP peak height = 913428 EICP peak height at 10% = 91343 Benzidine EICP area = 605284

Benzidine EICP peak apex (min.) = 5.067
RT at 10% of front half of EICP (min.) = 5.055
RT at 10% of back half of EICP (min.) = 5.077
'Front' peak width (min.) = 0.0114500000
'Tailing' peak width (min.) = 0.0102333333

Benzidine tailing factor = $\frac{\text{'Tailing' peak width (min.)}}{\text{'Front' peak width (min.)}} = \frac{0.0102333333}{0.0114500000} = 0.894$

Assessment of GC Column Performance and Injection Port Inertness for

Instrument ID: HP09910.i Injection Date: 14-JUN-2006 22:59 Operator: lmh00956



$$\% \text{ 4,4'-DDT breakdown} = \frac{\text{4,4'-DDE TIC area + 4,4'-DDD TIC area}}{\text{4,4'-DDE TIC area + 4,4'-DDD TIC area + 4,4'-DDT TIC area}} \times 100$$

$$\% \text{ 4,4'-DDT breakdown} = \frac{54706 + 9517}{54706 + 9517 + 1328151} \times 100 = 4.6$$

8446

Data File: /chem/HP09910.i/06jun15.b/of0700.d

Date : 15-JUN-2006 08:32

Client ID: DFTPP

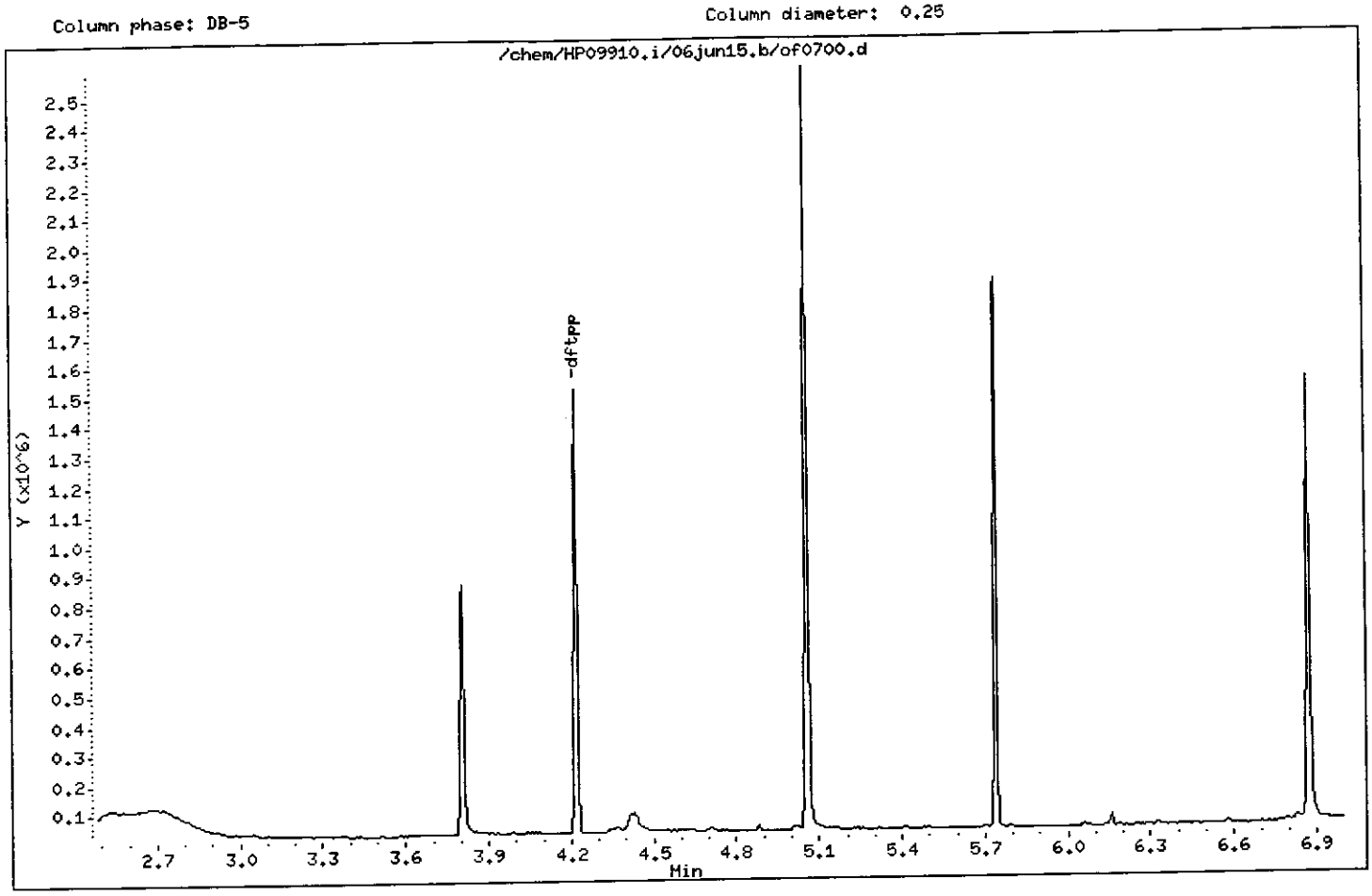
Instrument: HP09910.i

Sample Info: DFTPP;8270DFTPP1116;

Operator: rpb01568

Column phase: DB-5

Column diameter: 0.25



Data File: /chem/HP09910.i/06jun15.b/of0700.d

Date : 15-JUN-2006 08:32

Client ID: DFTPP

Instrument: HP09910.i

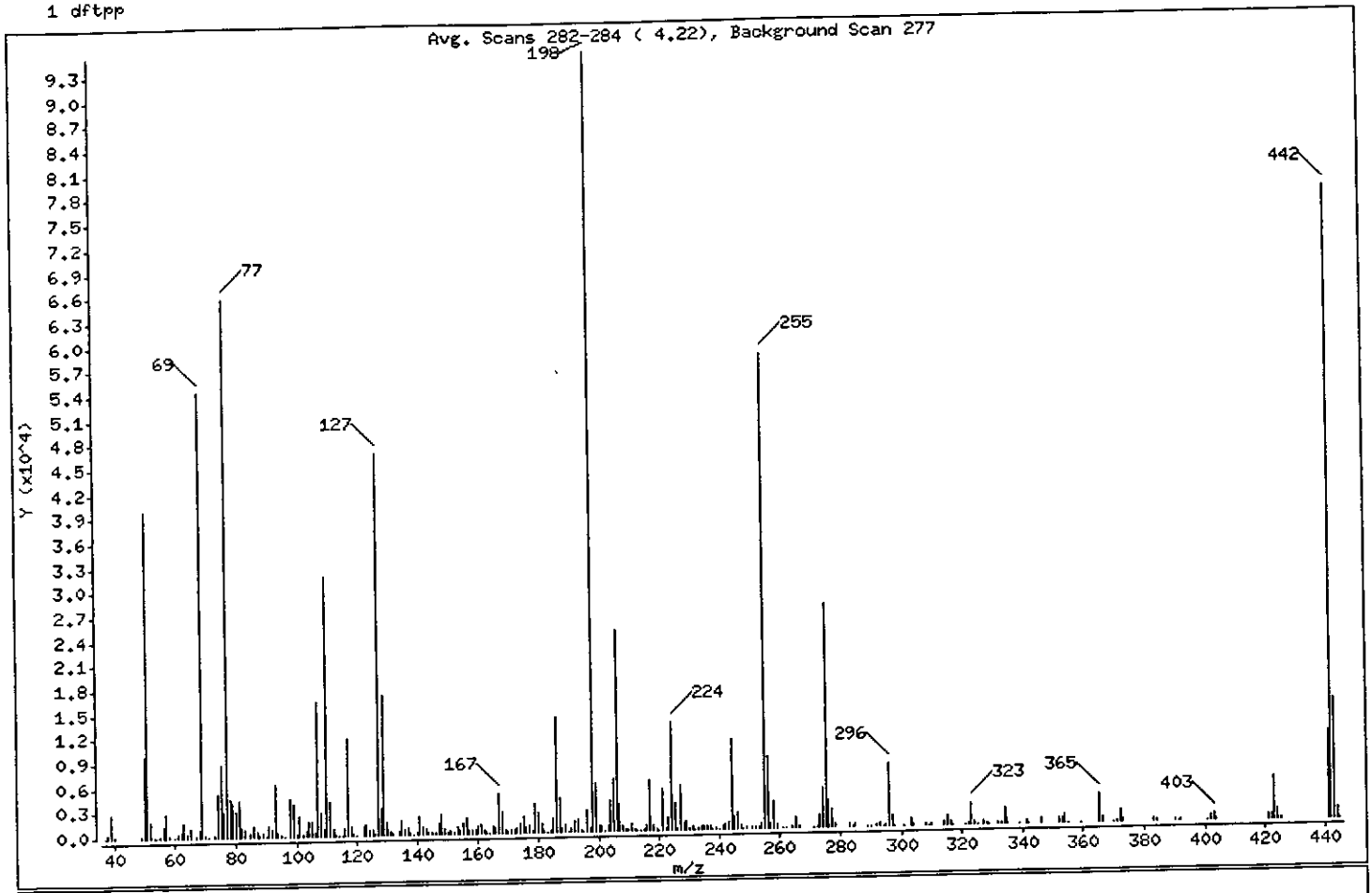
Sample Info: DFTPP;8270DFTPP1116;

Operator: rpb01568

Column phase: DB-5

Column diameter: 0.25

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	41.81
68	Less than 2.00% of mass 69	0.87 (1.54)
69	Mass 69 relative abundance	56.94
70	Less than 2.00% of mass 69	0.18 (0.31)
127	40.00 - 60.00% of mass 198	48.95
197	Less than 1.00% of mass 198	0.39
199	5.00 - 9.00% of mass 198	6.31
275	10.00 - 30.00% of mass 198	28.73
365	Greater than 1.00% of mass 198	3.66
441	Present, but less than mass 443	11.31
442	40.00 - 99.99% of mass 198	81.09
443	17.00 - 23.00% of mass 442	15.41 (19.01)

Data File: /chem/HP09910.i/06jun15.b/of0700.d

Date : 15-JUN-2006 08:32

Client ID: DFTPP

Instrument: HP09910.i

Sample Info: DFTPP;8270DFTPP1116;

Operator: rpb01568

Column phase: DB-5

Column diameter: 0.25

Data File: of0700.d

Spectrum: Avg. Scans 282-284 (4.22), Background Scan 277

Location of Maximum: 198.00

Number of points: 288

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	64	124.00	620	198.00	95440	278.00	332
38.00	463	125.00	582	199.00	6018	283.00	381
39.00	2902	126.00	172	200.00	643	284.00	98
40.00	144	127.00	46712	201.00	636	285.00	543
49.00	247	128.00	3376	202.00	81	289.00	63
50.00	9850	129.00	17064	203.00	693	290.00	54
51.00	39896	130.00	1563	204.00	3703	292.00	131
52.00	2008	131.00	343	205.00	6403	293.00	406
53.00	95	132.00	286	206.00	24544	294.00	97
54.00	38	134.00	535	207.00	3308	295.00	171
55.00	171	135.00	1706	208.00	674	296.00	7769
56.00	1215	136.00	604	209.00	288	297.00	1249
57.00	2763	137.00	770	210.00	277	298.00	61
58.00	211	138.00	276	211.00	901	301.00	51
60.00	93	139.00	104	212.00	175	303.00	914
61.00	462	140.00	277	213.00	98	304.00	229
62.00	722	141.00	2093	214.00	87	308.00	148
63.00	1826	142.00	821	215.00	298	309.00	81
64.00	356	143.00	587	216.00	613	310.00	139
65.00	1036	144.00	204	217.00	6053	314.00	389
67.00	213	145.00	175	218.00	719	315.00	1052
68.00	835	146.00	314	219.00	142	316.00	416
69.00	54336	147.00	1207	220.00	53	317.00	59
70.00	168	148.00	2355	221.00	4988	321.00	103
71.00	80	149.00	736	222.00	326	322.00	112
73.00	292	150.00	242	223.00	1530	323.00	2694
74.00	5239	151.00	455	224.00	13118	324.00	369
75.00	8824	152.00	143	225.00	3400	325.00	66
76.00	3018	153.00	892	226.00	233	327.00	366
77.00	65768	154.00	508	227.00	5533	328.00	328
78.00	4510	155.00	1294	228.00	919	329.00	72
79.00	4122	156.00	1870	229.00	1144	332.00	226
80.00	3169	157.00	469	230.00	145	333.00	225
81.00	4398	158.00	368	231.00	527	334.00	1882
82.00	1147	159.00	385	232.00	75	335.00	703

Data File: /chem/HP09910.i/06jun15.b/of0700.d

Date : 15-JUN-2006 08:32

Client ID: DFTPP

Instrument: HP09910.i

Sample Info: DFTPP;8270DFTPP1116;

Operator: rpb01568

Column phase: DB-5

Column diameter: 0.25

Data File: of0700.d

Spectrum: Avg. Scans 282-284 (4.22), Background Scan 277

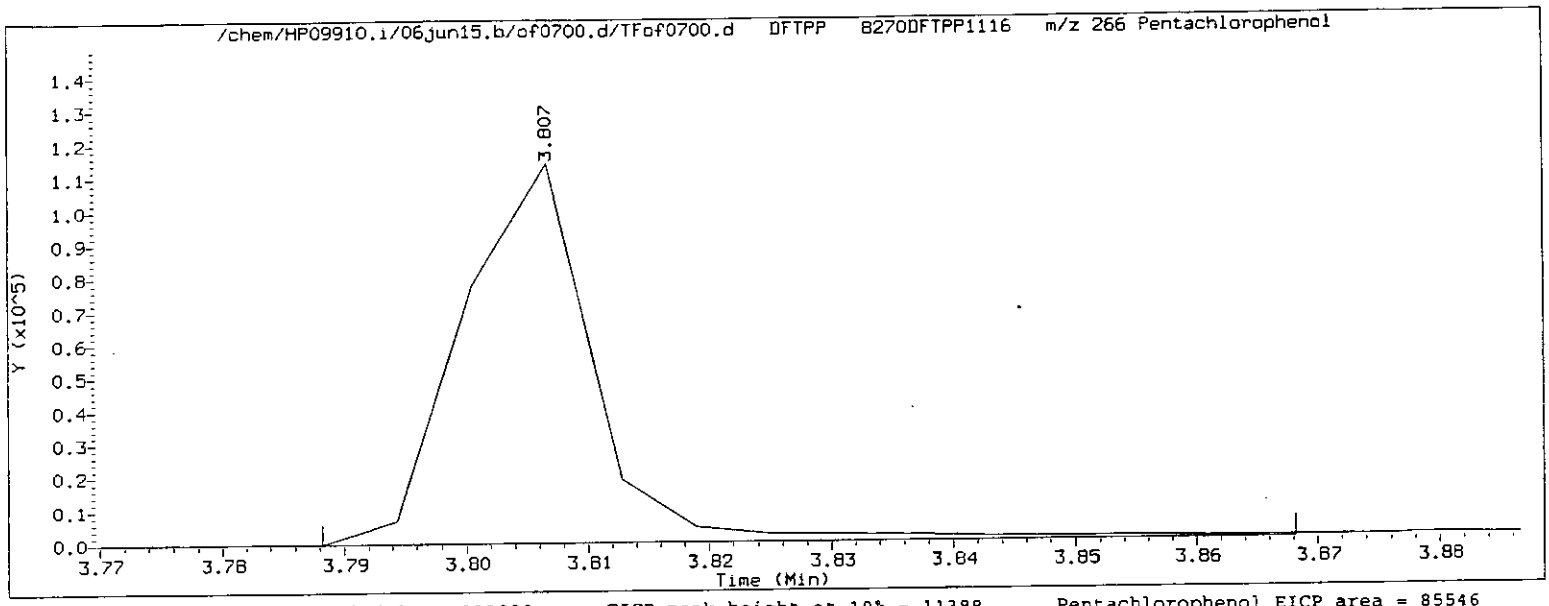
Location of Maximum: 198.00

Number of points: 288

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	781	160.00	786	233.00	139	339.00	61
85.00	512	161.00	1149	234.00	445	341.00	362
86.00	1214	162.00	364	235.00	397	342.00	61
87.00	694	163.00	111	236.00	347	346.00	684
88.00	193	164.00	84	237.00	513	352.00	705
89.00	386	165.00	944	238.00	63	353.00	575
90.00	84	166.00	638	239.00	313	354.00	1069
91.00	1230	167.00	4732	240.00	80	355.00	98
92.00	881	168.00	2652	241.00	366	359.00	104
93.00	6274	169.00	423	242.00	664	365.00	3489
94.00	463	170.00	221	243.00	827	366.00	606
95.00	166	171.00	406	244.00	11064	370.00	80
96.00	63	172.00	416	245.00	1583	371.00	226
98.00	4617	173.00	626	246.00	2017	372.00	1443
99.00	4038	174.00	1056	247.00	527	373.00	340
100.00	264	175.00	2069	248.00	65	383.00	485
101.00	2441	176.00	606	249.00	272	384.00	227
102.00	117	177.00	849	251.00	158	390.00	212
103.00	766	178.00	283	252.00	128	391.00	108
104.00	1699	179.00	3525	253.00	256	392.00	149
105.00	1699	180.00	2313	254.00	634	401.00	71
106.00	461	181.00	1035	255.00	58200	402.00	664
107.00	16424	182.00	227	256.00	8867	403.00	924
108.00	2781	183.00	51	257.00	711	404.00	280
109.00	797	184.00	262	258.00	3217	421.00	684
110.00	31912	185.00	1690	259.00	462	422.00	720
111.00	4223	186.00	14042	261.00	92	423.00	5358
112.00	823	187.00	4077	262.00	54	424.00	1323
113.00	243	188.00	372	264.00	131	425.00	117
114.00	69	189.00	966	265.00	1390	441.00	10799
115.00	24	190.00	66	266.00	141	442.00	77392
116.00	872	191.00	436	271.00	55	443.00	14712
117.00	11817	192.00	1298	272.00	228	444.00	1209
118.00	1021	193.00	1468	273.00	1566	445.00	51
119.00	279	194.00	278	274.00	4787		

Assessment of GC Column Performance and Injection Port Inertness for

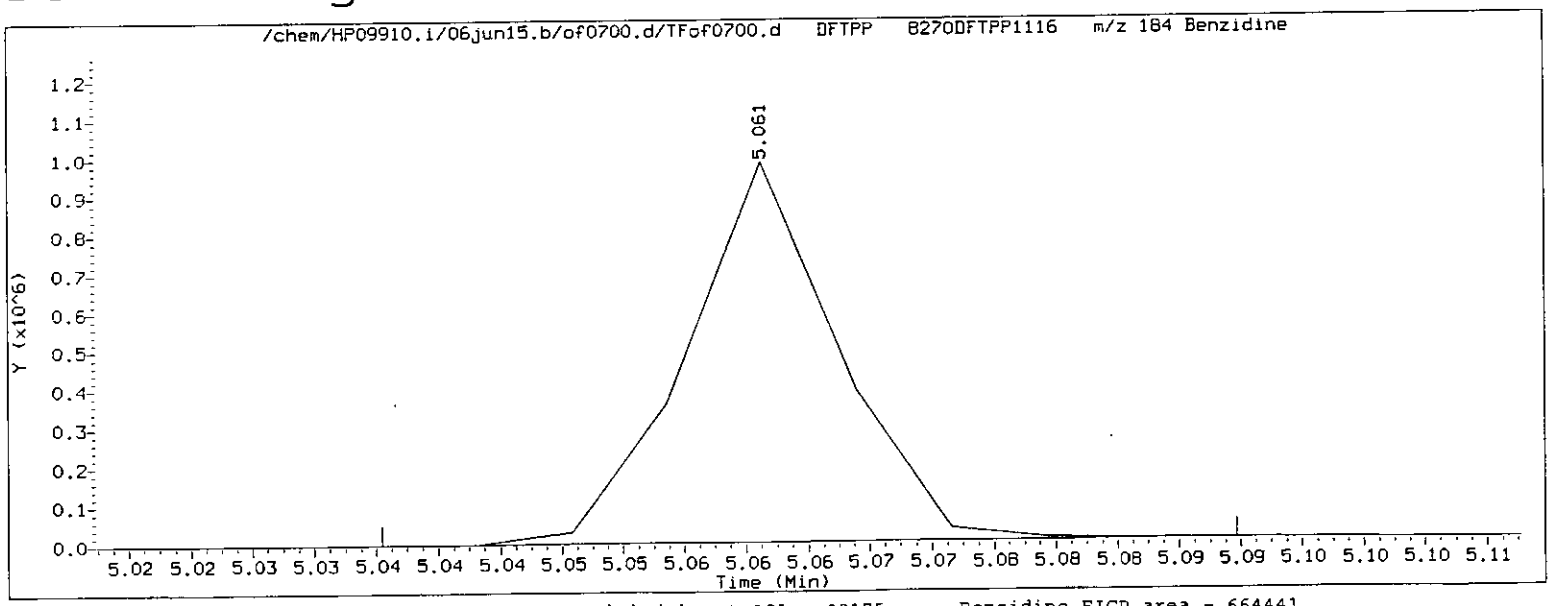
Instrument ID: HP09910.i Injection Date: 15-JUN-2006 08:32 Operator: rpb01568



Pentachlorophenol EICP peak height = 113880 EICP peak height at 10% = 11388 Pentachlorophenol EICP area = 85546

Pentachlorophenol EICP peak apex (min.) = 3.807
RT at 10% of front half of EICP (min.) = 3.795 'Front' peak width (min.) = 0.0118833333
RT at 10% of back half of EICP (min.) = 3.816 'Tailing' peak width (min.) = 0.0093000000

$$\text{PCP tailing factor} = \frac{\text{'Tailing' peak width (min.)}}{\text{'Front' peak width (min.)}} = \frac{0.0093000000}{0.0118833333} = 0.783$$



Benzidine EICP peak height = 981752 EICP peak height at 10% = 98175 Benzidine EICP area = 664441

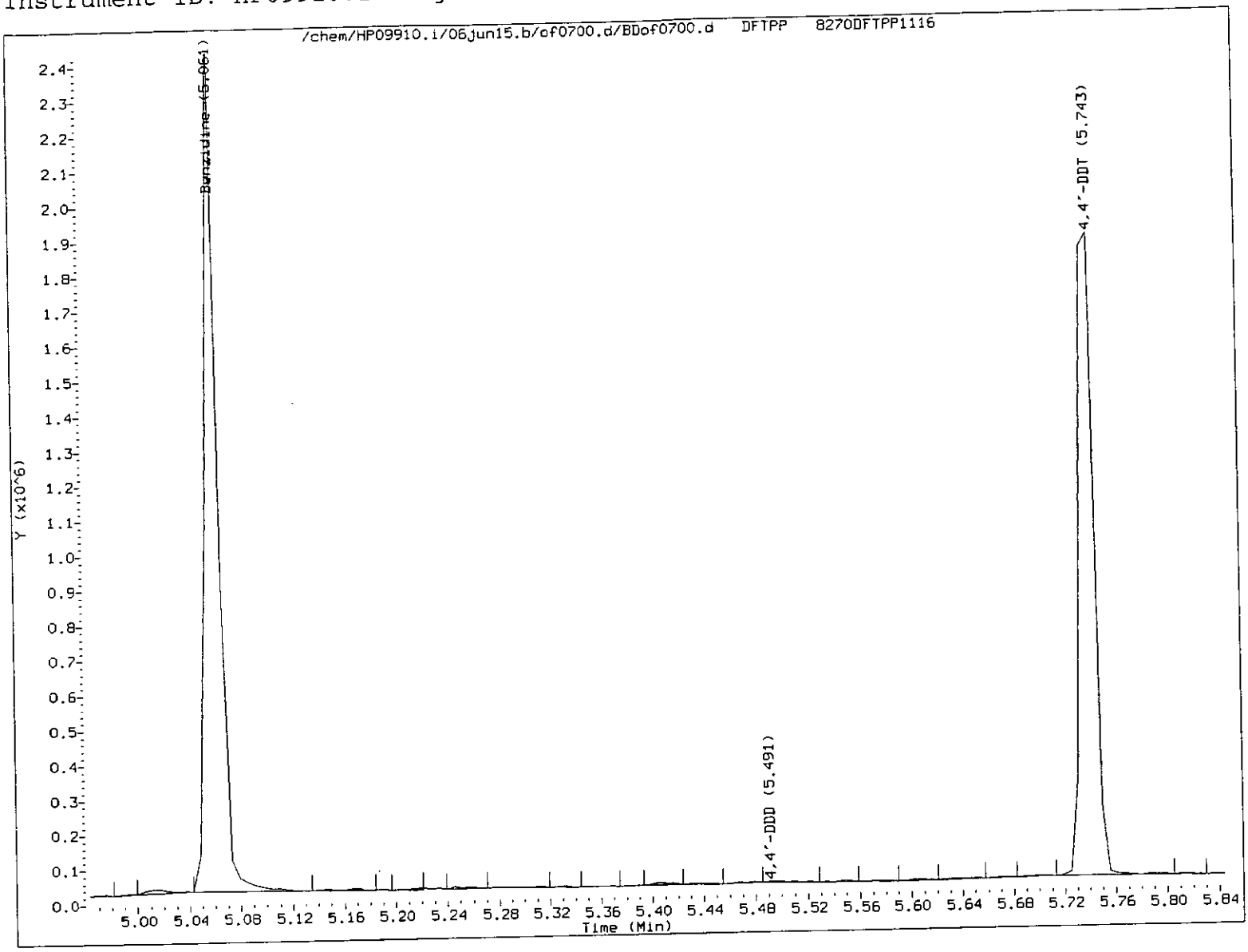
Benzidine EICP peak apex (min.) = 5.061
RT at 10% of front half of EICP (min.) = 5.050 'Front' peak width (min.) = 0.0109833333
RT at 10% of back half of EICP (min.) = 5.072 'Tailing' peak width (min.) = 0.0111666667

$$\text{Benzidine tailing factor} = \frac{\text{'Tailing' peak width (min.)}}{\text{'Front' peak width (min.)}} = \frac{0.0111666667}{0.0109833333} = 1.017$$

printed on 06/15/2006 at 08:40

Assessment of GC Column Performance and Injection Port Inertness for

Instrument ID: HP09910.i Injection Date: 15-JUN-2006 08:32 Operator: rpb01568



$$\% \text{ 4,4'-DDT breakdown} = \frac{\text{4,4'-DDE TIC area + 4,4'-DDD TIC area}}{\text{4,4'-DDE TIC area + 4,4'-DDD TIC area + 4,4'-DDT TIC area}} \times 100$$

$$\% \text{ 4,4'-DDT breakdown} = \frac{73472 + 6038}{73472 + 6038 + 1547630} \times 100 = 4.9$$

6452

printed on 06/15/2006 at 08:41

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKWA163O

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: SBLKWA163

Sample wt/vol: 1000 (g/mL)ML Lab File ID: of0684.d

Level: (low/med) LOW Date Received:

% Moisture: not dec: dec: Date Extracted: 06/12/06

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/15/06

Injection Volume: 1 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: Sepf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	MDL	UG/L	Q
100-52-7	Benzaldehyde		1		U
108-95-2	Phenol		1		U
111-44-4	bis(2-Chloroethyl)ether		1		U
95-57-8	2-Chlorophenol		1		U
541-73-1	1,3-Dichlorobenzene		1		U
106-46-7	1,4-Dichlorobenzene		1		U
95-50-1	1,2-Dichlorobenzene		1		U
95-48-7	2-Methylphenol		1		U
108-60-1	2,2'-oxybis(1-Chloropropane)		1		U
98-86-2	Acetophenone		2		U
621-64-7	N-Nitroso-di-n-propylamine		1		U
106-44-5	4-Methylphenol		2		U
67-72-1	Hexachloroethane		1		U
98-95-3	Nitrobenzene		1		U
78-59-1	Isophorone		1		U
88-75-5	2-Nitrophenol		1		U
105-67-9	2,4-Dimethylphenol		3		U
111-91-1	bis(2-Chloroethoxy)methane		1		U
120-83-2	2,4-Dichlorophenol		1		U
91-20-3	Naphthalene		1		U
106-47-8	4-Chloroaniline		1		U
87-68-3	Hexachlorobutadiene		1		U
105-60-2	Caprolactam		5		U
59-50-7	4-Chloro-3-methylphenol		1		U
91-57-6	2-Methylnaphthalene		1		U
77-47-4	Hexachlorocyclopentadiene		5		U
88-06-2	2,4,6-Trichlorophenol		1		U
95-95-4	2,4,5-Trichlorophenol		1		U
92-52-4	1,1'-Biphenyl		1		U
91-58-7	2-Chloronaphthalene		2		U

6453

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKWA163O

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: SBLKWA163

Sample wt/vol: 1000 (g/mL)ML Lab File ID: of0684.d

Level: (low/med) LOW Date Received:

% Moisture: not dec: dec: Date Extracted: 06/12/06

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/15/06

Injection Volume: 1 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: Sepf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	MDL	UG/L	Q
88-74-4	2-Nitroaniline		1		U
131-11-3	Dimethylphthalate		2		U
606-20-2	2,6-Dinitrotoluene		1		U
208-96-8	Acenaphthylene		1		U
99-09-2	3-Nitroaniline		1		U
83-32-9	Acenaphthene		1		U
51-28-5	2,4-Dinitrophenol		20		U
100-02-7	4-Nitrophenol		10		U
132-64-9	Dibenzofuran		1		U
121-14-2	2,4-Dinitrotoluene		1		U
84-66-2	Diethylphthalate		2		U
86-73-7	Fluorene		1		U
7005-72-3	4-Chlorophenyl-phenylether		2		U
100-01-6	4-Nitroaniline		1		U
534-52-1	4,6-Dinitro-2-methylphenol		5		U
86-30-6	N-Nitrosodiphenylamine		2		U
101-55-3	4-Bromophenyl-phenylether		1		U
118-74-1	Hexachlorobenzene		1		U
1912-24-9	Atrazine		2		U
87-86-5	Pentachlorophenol		3		U
85-01-8	Phenanthrene		1		U
120-12-7	Anthracene		1		U
86-74-8	Carbazole		1		U
84-74-2	Di-n-butylphthalate		2		U
206-44-0	Fluoranthene		1		U
129-00-0	Pyrene		1		U
85-68-7	Butylbenzylphthalate		2		U
91-94-1	3,3'-Dichlorobenzidine		2		U
56-55-3	Benzo(a)anthracene		1		U
218-01-9	Chrysene		1		U

8454

1C cont

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SBLKWA163O

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: SBLKWA163

Sample wt/vol: 1000 (g/mL)ML Lab File ID: of0684.d

Level: (low/med) LOW Date Received:

% Moisture: not dec: dec: Date Extracted: 06/12/06

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/15/06

Injection Volume: 1 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: Sepf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	MDL	UG/L	Q
117-81-7	bis(2-Ethylhexyl)phthalate		2	U	
117-84-0	Di-n-octylphthalate		2	U	
205-99-2	Benzo(b)fluoranthene		1	U	
207-08-9	Benzo(k)fluoranthene		1	U	
50-32-8	Benzo(a)pyrene		1	U	
193-39-5	Indeno(1,2,3-cd)pyrene		1	U	
53-70-3	Dibenz(a,h)anthracene		1	U	
191-24-2	Benzo(g,h,i)perylene		1	U	

6455

SBLKWA1630 Lancaster Labs Quantitation Report GC/MS Semi-Volatiles SBLKWA163

Data file: /chem/HP09910.i/06jun14a.b/of0684.d Blank Data file reference:**/chem/HP09910.i/06jun14a.b/of0684.d**
Injection date and time: 15-JUN-2006 03:52 Instrument ID: HP09910.i Batch: 06163WAA
Date, time and analyst ID of latest file update: 15-Jun-2006 09:07 rpb01568

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: **163WAAqc**
Calibration date and time (Last Method Edit): 15-JUN-2006 08:56
Mid Level Daily Calibration Standard Reference: /chem/HP09910.i/06jun14a.b/of0674.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt/(Vo * Vi) Matrix: WATER GPC Cleanup: No

Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Volume Injected (Vi): 1 ul
Sample Volume (Vo): 1000.0 ml Final Extract Volume (Vt): 1000 ul

Internal Standards	RT (+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ng/ul)	QC Flag
20) 1,4-Dichlorobenzene-d4	3.972(0.000)	373	152.0	180163(-6)	40.00	
47) Naphthalene-d8	5.122(0.000)	560	136.0	732630(-12)	40.00	
85) Acenaphthene-d10	6.800(0.006)	833	164.0	438669(-15)	40.00	
125) Phenanthrene-d10	8.239(0.006)	1067	188.0	860562(-22)	40.00	
156) Chrysene-d12	10.815(0.006)	1486	240.0	900625(-26)	40.00	
167) Perylene-d12	12.205(0.000)	1712	264.0	951204(-21)	40.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
7) 2-Fluorophenol	(1)	2.896(0.000)	112	1067495	133.205	67%		10 - 99
11) Phenol-d6	(1)	3.658(0.000)	99	1111584	83.410	42%		10 - 80
35) Nitrobenzene-d5	(2)	4.464(0.000)	82	1107969	99.280	99%		51 - 123
71) 2-Fluorobiphenyl	(3)	6.167(-0.001)	172	1467495	100.437	100%		64 - 112
112) 2,4,6-Tribromophenol	(3)	7.569(-0.001)	330	386931	199.042	100%		31 - 148
147) Terphenyl-d14	(5)	9.825(-0.001)	244	2001177	113.486	113%		52 - 151

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/ul)
9) Benzaldehyde	(1)					Below MDL, Do not report				1.00
12) Phenol	(1)					Below MDL, Do not report				1.00
17) bis(2-Chloroethyl)ether	(1)					Below MDL, Do not report				1.00
18) 2-Chlorophenol	(1)					Below MDL, Do not report				1.00
19) 1,3-Dichlorobenzene	(1)					Below MDL, Do not report				1.00
21) 1,4-Dichlorobenzene	(1)					Below MDL, Do not report				1.00
25) 1,2-Dichlorobenzene	(1)					Below MDL, Do not report				1.00
26) 2-Methylphenol	(1)					Below MDL, Do not report				1.00
27) 2,2'-oxybis(1-Chloropropane)	(1)					ND	ND			1.00
30) Acetophenone	(1)					Below MDL, Do not report				2.00
31) N-Nitroso-di-n-propylamine	(1)					Below MDL, Do not report				1.00
32) 4-Methylphenol	(1)					Below MDL, Do not report				2.00
34) Hexachloroethane	(1)					Below MDL, Do not report				1.00
36) Nitrobenzene	(2)					Below MDL, Do not report				1.00
40) Isophorone	(2)					Below MDL, Do not report				1.00
41) 2-Nitrophenol	(2)					Below MDL, Do not report				1.00
42) 2,4-Dimethylphenol	(2)					Below MDL, Do not report				3.00
43) bis(2-Chloroethoxy)methane	(2)					Below MDL, Do not report				1.00
45) 2,4-Dichlorophenol	(2)					Below MDL, Do not report				1.00
48) Naphthalene	(2)					Below MDL, Do not report				1.00
49) 4-Chloroaniline	(2)					Below MDL, Do not report				1.00
51) Hexachlorobutadiene	(2)					Below MDL, Do not report				1.00

SBLKWA1630

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

SBLKWA1

Data file: /chem/HP09910.i/06jun14a.b/of0684.d Blank Data file reference:**/chem/HP09910.i/06jun14a.b/of0684.d**
Injection date and time: 15-JUN-2006 03:52 Instrument ID: HP09910.i Batch: 06163WAA
Date, time and analyst ID of latest file update: 15-Jun-2006 09:07 rpb01568

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: **163WAAqc**
Calibration date and time (Last Method Edit): 15-JUN-2006 08:56
Mid Level Daily Calibration Standard Reference: /chem/HP09910.i/06jun14a.b/of0674.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt/(Vo * Vi) Matrix: WATER GPC Cleanup: N

Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Volume Injected (Vi): 1 ul
Sample Volume (Vo): 1000.0 ml Final Extract Volume (Vt): 1000 ul

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.
53) Caprolactam	(2)					ND	ND		
60) 4-Chloro-3-methylphenol	(2)					Below MDL, Do not report			
61) 2-Methylnaphthalene	(2)					Below MDL, Do not report			
66) Hexachlorocyclopentadiene	(3)					Below MDL, Do not report			
68) 2,4,6-Trichlorophenol	(3)					Below MDL, Do not report			
69) 2,4,5-Trichlorophenol	(3)					Below MDL, Do not report			
74) 1,1'-Biphenyl	(3)					Below MDL, Do not report			
75) 2-Chloronaphthalene	(3)					Below MDL, Do not report			
79) 2-Nitroaniline	(3)					Below MDL, Do not report			
80) Dimethylphthalate	(3)					Below MDL, Do not report			
81) 2,6-Dinitrotoluene	(3)					Below MDL, Do not report			
82) Acenaphthylene	(3)					Below MDL, Do not report			
83) 3-Nitroaniline	(3)					Below MDL, Do not report			
89) Acenaphthene	(3)					Below MDL, Do not report			
90) 2,4-Dinitrophenol	(3)					Below MDL, Do not report			
92) 4-Nitrophenol	(3)					Below MDL, Do not report			
93) Dibenzofuran	(3)					Below MDL, Do not report			
94) 2,4-Dinitrotoluene	(3)					Below MDL, Do not report			
100) Diethylphthalate	(3)					Below MDL, Do not report			
102) Fluorene	(3)					Below MDL, Do not report			
104) 4-Chlorophenyl-phenylether	(3)					Below MDL, Do not report			
105) 4-Nitroaniline	(3)					ND	ND		
106) 4,6-Dinitro-2-methylphenol	(4)					Below MDL, Do not report			
109) N-Nitrosodiphenylamine	(4)					Below MDL, Do not report			
116) 4-Bromophenyl-phenylether	(4)					Below MDL, Do not report			
117) Hexachlorobenzene	(4)					Below MDL, Do not report			
123) Atrazine	(4)					Below MDL, Do not report			
124) Pentachlorophenol	(4)					Below MDL, Do not report			
126) Phenanthrene	(4)					Below MDL, Do not report			
130) Anthracene	(4)					Below MDL, Do not report			
131) Carbazole	(4)					Below MDL, Do not report			
137) Di-n-butylphthalate	(4)					Below MDL, Do not report			
142) Fluoranthene	(4)					Below MDL, Do not report			
145) Pyrene	(5)					Below MDL, Do not report			
148) Butylbenzylphthalate	(5)					Below MDL, Do not report			
153) 3,3'-Dichlorobenzidine	(5)					Below MDL, Do not report			
154) Benzo(a)anthracene	(5)					Below MDL, Do not report			
158) Chrysene	(5)					Below MDL, Do not report			
159) bis(2-Ethylhexyl)phthalate	(5)					Below MDL, Do not report			
161) Di-n-octylphthalate	(6)					Below MDL, Do not report			
164) Benzo(b)fluoranthene	(6)					Below MDL, Do not report			
165) Benzo(k)fluoranthene	(6)					Below MDL, Do not report			

Data file: /chem/HP09910.i/06jun14a.b/of0684.d Blank Data file reference:/chem/HP09910.i/06jun14a.b/of0684.d
Injection date and time: 15-JUN-2006 03:52 Instrument ID: HP09910.i Batch: 06163WAA
Date, time and analyst ID of latest file update: 15-Jun-2006 09:07 rpb01568

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: 163WAAqc
Calibration date and time (Last Method Edit): 15-JUN-2006 08:56
Mid Level Daily Calibration Standard Reference: /chem/HP09910.i/06jun14a.b/of0674.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt/(Vo * Vi) Matrix: WATER GPC Cleanup: No

Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Volume Injected (Vi): 1 ul
Sample Volume (Vo): 1000.0 ml Final Extract Volume (Vt): 1000 ul

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/ul)
166) Benzo(a)pyrene	(6)					Below MDL, Do not report				1.00
171) Indeno(1,2,3-cd)pyrene	(6)					Below MDL, Do not report				1.00
172) Dibenz(a,h)anthracene	(6)					Below MDL, Do not report				1.00
173) Benzo(g,h,i)perylene	(6)					ND	ND			1.00

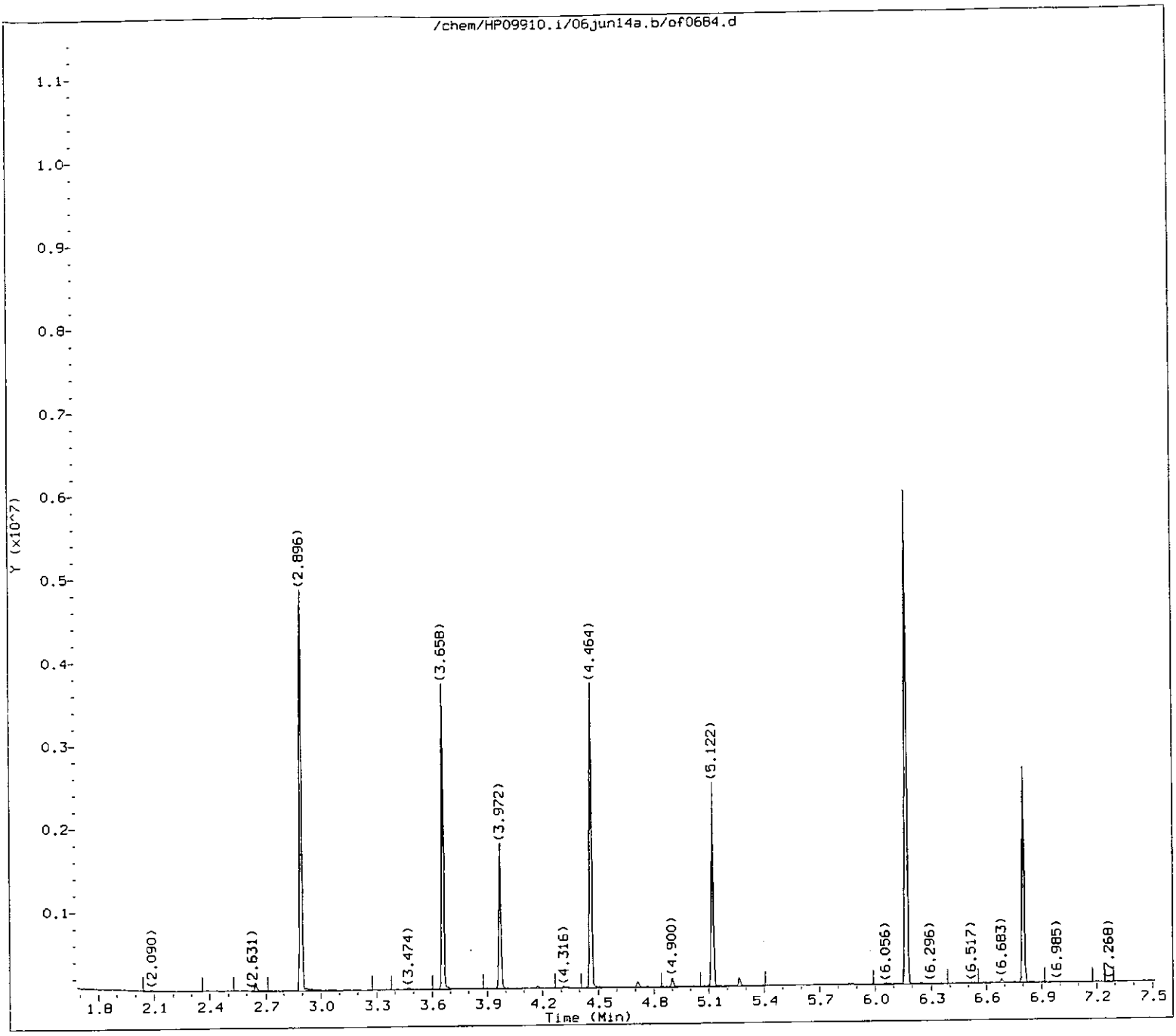
E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Total number of targets = 68

Comments:

Analyst: [signature] Date: 6-15-06
Auditor: [signature] Date: 6/15/06

0458



Quant Report

Target Revision 3.5

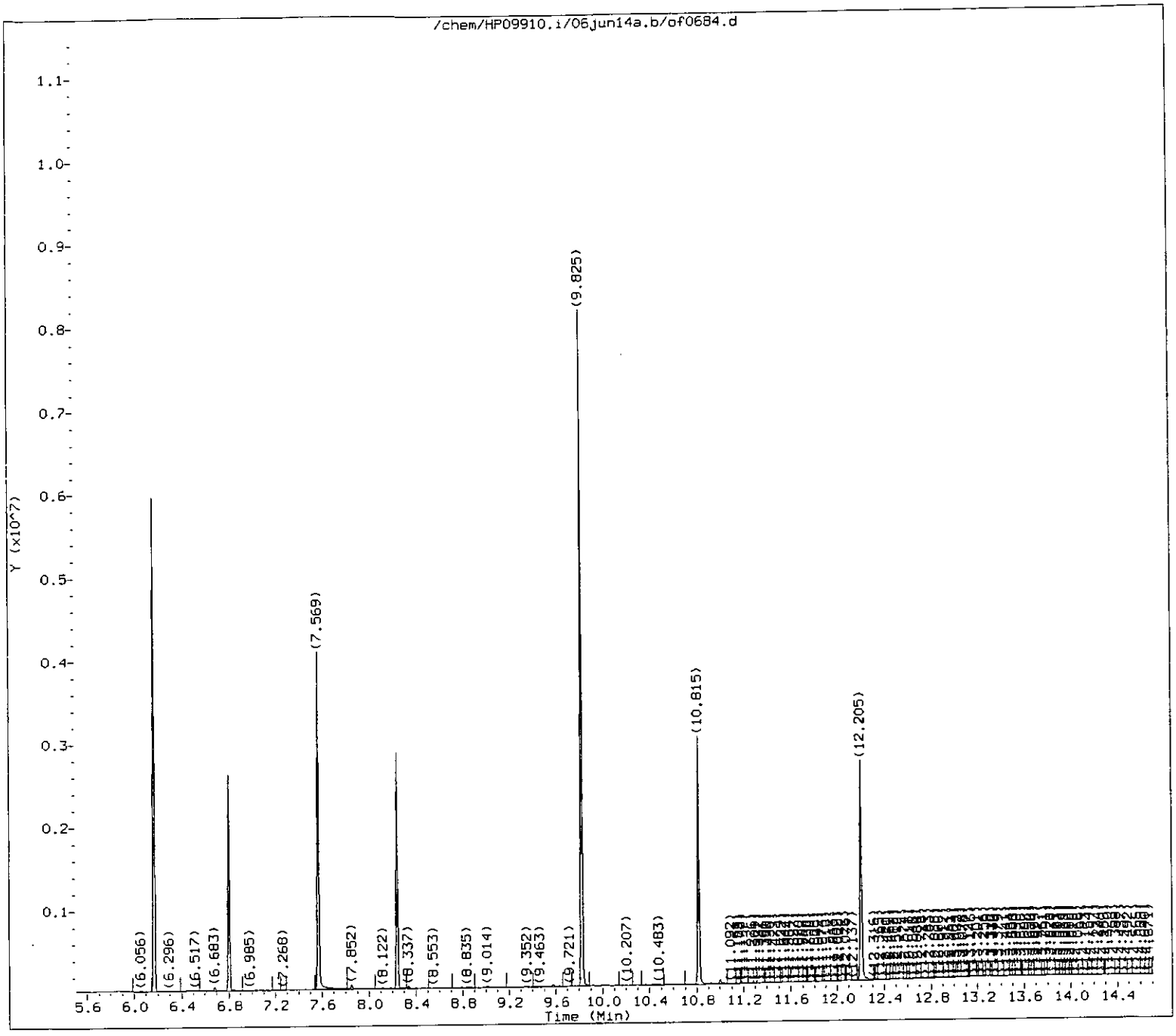
Data File: /chem/HP09910.i/06jun14a.b/of0684.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 03:52 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: 163WAAqc
Calibration date and time: 15-JUN-2006 08:56
Date, time and analyst ID of latest file update: 15-Jun-2006 09:07 rpb01568

Sample Name: SBLKWA163O Lab Sample ID: SBLKWA163

8459

KR Bias
6-15-06



Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0684.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 03:52 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: 163WAAqc
Calibration date and time: 15-JUN-2006 08:56
Date, time and analyst ID of latest file update: 15-Jun-2006 09:07 rpb01568

Sample Name: SBLKWA163O Lab Sample ID: SBLKWA163

0460

KR B1523
6-15-06

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0684.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 03:52 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: 163WAAqc
Calibration date and time: 15-JUN-2006 08:56
Date, time and analyst ID of latest file update: 15-Jun-2006 09:07 rpb01568

Sample Name: SBLKWA163O Lab Sample ID: SBLKWA163

	Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
20)	1,4-Dichlorobenzene-d4	(1)	3.972	152	180163	40.000
47)	Naphthalene-d8	(2)	5.122	136	732630	40.000
85)	Acenaphthene-d10	(3)	6.800	164	438669	40.000
125)	Phenanthrene-d10	(4)	8.239	188	860562	40.000
156)	Chrysene-d12	(5)	10.815	240	900625	40.000
167)	Perylene-d12	(6)	12.205	264	951204	40.000
7)	2-Fluorophenol	(1)	2.896	112	1067495	133.205
11)	Phenol-d6	(1)	3.658	99	1111584	83.410
35)	Nitrobenzene-d5	(2)	4.464	82	1107969	99.280
71)	2-Fluorobiphenyl	(3)	6.167	172	1467495	100.437
112)	2,4,6-Tribromophenol	(3)	7.569	330	386931	199.042
147)	Terphenyl-d14	(5)	9.825	244	2001177	113.486

M = Compound was manually integrated. A = User selected an alternate hit

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OS2--MS

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791564

Sample wt/vol: 950 (g/mL)ML Lab File ID: of0689.d

Level: (low/med) LOW Date Received: 06/10/06

% Moisture: not dec: dec: Date Extracted: 06/12/06

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/15/06

Injection Volume: 1 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: Sepf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	LOQ	UG/L	Q
541-73-1	1,3-Dichlorobenzene			95	
106-46-7	1,4-Dichlorobenzene			95	
95-50-1	1,2-Dichlorobenzene			93	

0462

OS2--MS

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4791564

Data file: /chem/HP09910.i/06jun14a.b/of0689.d Blank Data file reference:/chem/HP09910.i/06jun14a.b/of0684.d
Injection date and time: 15-JUN-2006 05:43 Instrument ID: HP09910.i Batch: 06163WAA
Date, time and analyst ID of latest file update: 15-Jun-2006 09:14 rpb01568

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: **WTC8beacon**
Calibration date and time (Last Method Edit): 15-JUN-2006 08:56
Mid Level Daily Calibration Standard Reference: /chem/HP09910.i/06jun14a.b/of0674.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt/(Vo * Vi) Matrix: WATER GPC Cleanup: N

Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Volume Injected (Vi): 1 ul
Sample Volume (Vo): 950.0 ml Final Extract Volume (Vt): 1000 ul

Internal Standards	RT	(+/-RT)	Scan	QIon	Area	(+/- %Area)	Conc(ng/ul)	QC Fla
20) 1,4-Dichlorobenzene-d4	3.972	(0.000)	373	152.0	171762	(-10)	40.00	
47) Naphthalene-d8	5.122	(0.000)	560	136.0	721371	(-13)	40.00	
85) Acenaphthene-d10	6.806	(0.000)	834	164.0	426174	(-18)	40.00	
125) Phenanthrene-d10	8.239	(0.006)	1067	188.0	877495	(-21)	40.00	
156) Chrysene-d12	10.821	(0.000)	1487	240.0	957748	(-22)	40.00	
167) Perylene-d12	12.205	(0.000)	1712	264.0	1007802	(-16)	40.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Lim
35) Nitrobenzene-d5	(2)	4.464	(0.000)	82	1061546	96.604	97%		51 -
71) 2-Fluorobiphenyl	(3)	6.173	(-0.001)	172	1429055	100.674	101%		64 -
147) Terphenyl-d14	(5)	9.825	(0.000)	244	1727079	92.100	92%		52 -

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALC

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.
19) 1,3-Dichlorobenzene	(1)	3.916	(0.000)	146	601773	90.061	94.80		
21) 1,4-Dichlorobenzene	(1)	3.984	(0.000)	146	622077	90.404	95.16		
25) 1,2-Dichlorobenzene	(1)	4.113	(0.000)	146	580014	88.607	93.27		

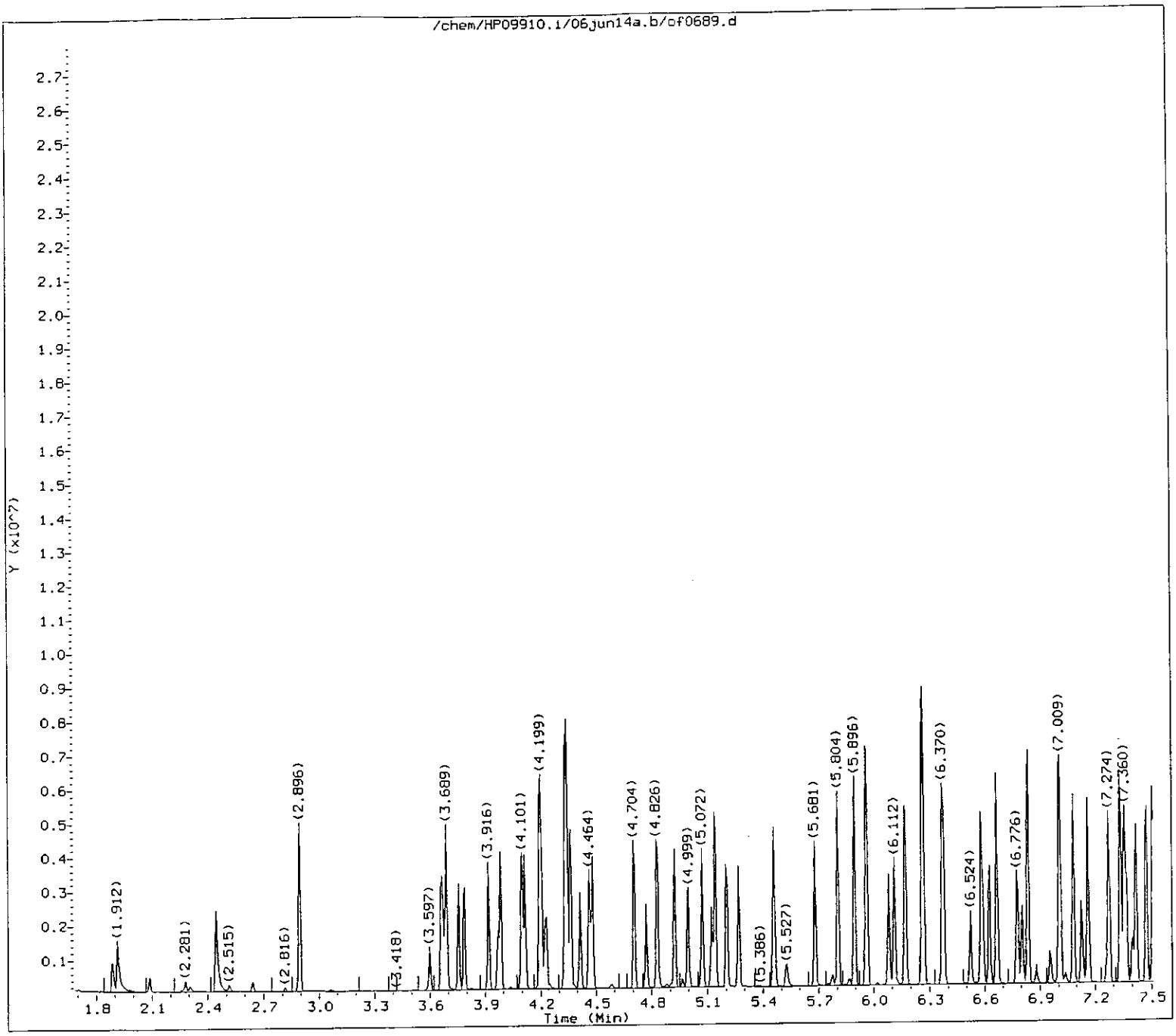
E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Total number of targets = 3

Comments: 241

Analyst: RB15208 Date: 6-15-06
Auditor: [signature] Date: 6/19/06

8463



Quant Report

Target Revision 3.5

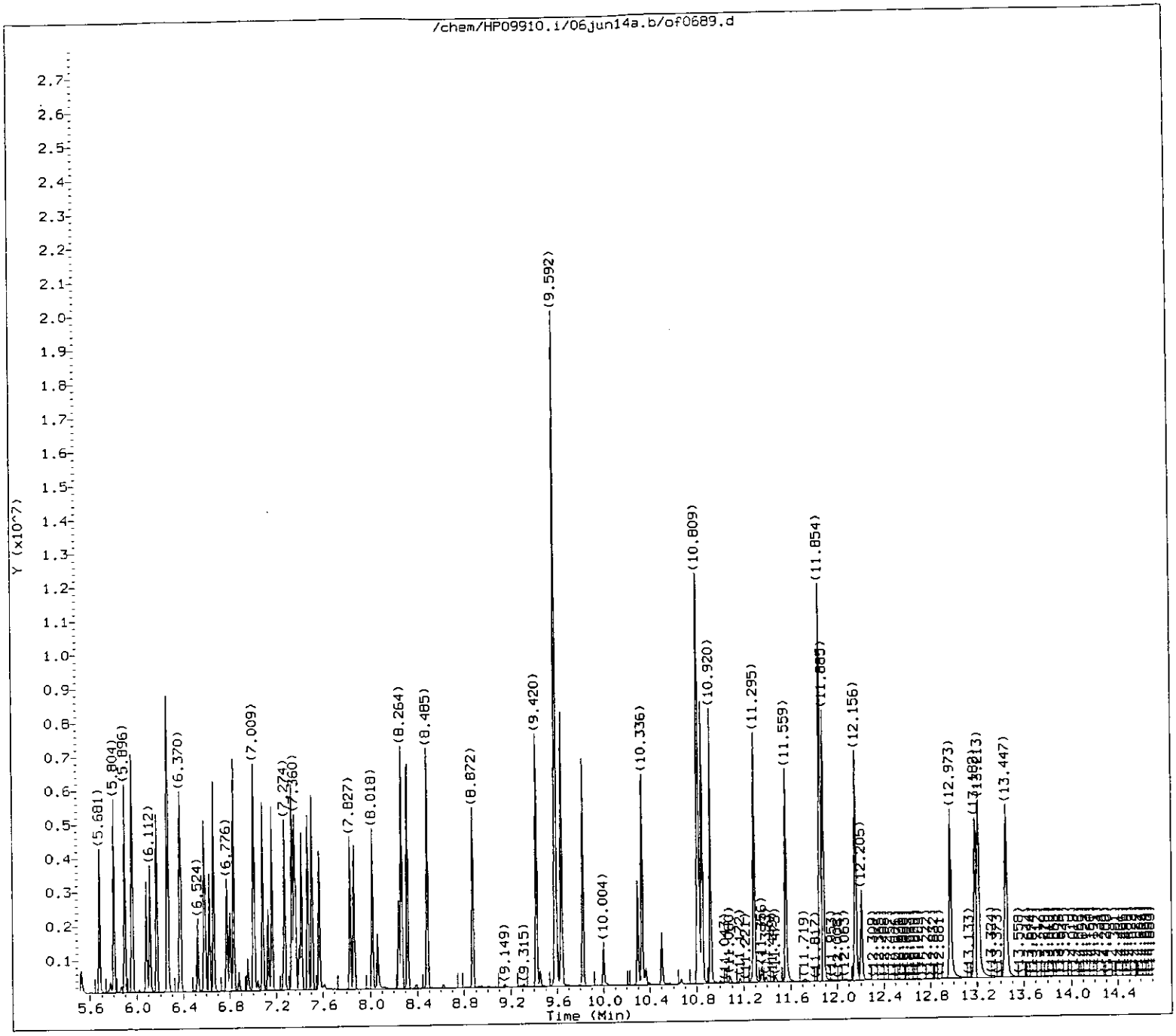
Data File: /chem/HP09910.i/06jun14a.b/of0689.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 05:43 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 08:56
Date, time and analyst ID of latest file update: 15-Jun-2006 09:14 rpb01568

Sample Name: OS2--MS Lab Sample ID: 4791564

~~6464~~

RB 6-15-06



Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0689.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 05:43 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 08:56
Date, time and analyst ID of latest file update: 15-Jun-2006 09:14 rpb01568

Sample Name: OS2--MS Lab Sample ID: 4791564

8465

RB 6-15-06

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0689.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 05:43 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 08:56
Date, time and analyst ID of latest file update: 15-Jun-2006 09:14 rpb01568

Sample Name: OS2--MS Lab Sample ID: 4791564

	Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
19)	1,3-Dichlorobenzene	(1)	3.916	146	601773	90.061
20)	1,4-Dichlorobenzene-d4	(1)	3.972	152	171762	40.000
21)	1,4-Dichlorobenzene	(1)	3.984	146	622077	90.404
25)	1,2-Dichlorobenzene	(1)	4.113	146	580014	88.607
47)	Naphthalene-d8	(2)	5.122	136	721371	40.000
85)	Acenaphthene-d10	(3)	6.806	164	426174	40.000
125)	Phenanthrene-d10	(4)	8.239	188	877495	40.000
156)	Chrysene-d12	(5)	10.821	240	957748	40.000
167)	Perylene-d12	(6)	12.205	264	1007802	40.000
35)	Nitrobenzene-d5	(2)	4.464	82	1061546	96.604
71)	2-Fluorobiphenyl	(3)	6.173	172	1429055	100.674
147)	Terphenyl-d14	(5)	9.825	244	1727079	92.100

M = Compound was manually integrated. A = User selected an alternate hit

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OS2--MSD

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 4791565

Sample wt/vol: 950 (g/mL)ML Lab File ID: of0690.d

Level: (low/med) LOW Date Received: 06/10/06

% Moisture: not dec: dec: Date Extracted: 06/12/06

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/15/06

Injection Volume: 1 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: Sepf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	LOQ UG/L	Q
541-73-1	1,3-Dichlorobenzene		94	
106-46-7	1,4-Dichlorobenzene		95	
95-50-1	1,2-Dichlorobenzene		93	

OS2--MSD

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

4791565

Data file: /chem/HP09910.i/06jun14a.b/of0690.d Blank Data file reference:**/chem/HP09910.i/06jun14a.b/of0684.d**
Injection date and time: 15-JUN-2006 06:05 Instrument ID: HP09910.i Batch: 06163WAA
Date, time and analyst ID of latest file update: 15-Jun-2006 09:14 rpb01568

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: **WTC8beacon**
Calibration date and time (Last Method Edit): 15-JUN-2006 08:56
Mid Level Daily Calibration Standard Reference: /chem/HP09910.i/06jun14a.b/of0674.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt/(Vo * Vi) Matrix: WATER GPC Cleanup: No

Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Volume Injected (Vi): 1 ul
Sample Volume (Vo): 950.0 ml Final Extract Volume (Vt): 1000 ul

Internal Standards	RT (+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ng/ul)	QC Flag
20) 1,4-Dichlorobenzene-d4	3.972(0.000)	373	152.0	176543(-8)	40.00	
47) Naphthalene-d8	5.122(0.000)	560	136.0	728342(-12)	40.00	
85) Acenaphthene-d10	6.806(0.000)	834	164.0	446546(-14)	40.00	
125) Phenanthrene-d10	8.245(0.000)	1068	188.0	911408(-18)	40.00	
156) Chrysene-d12	10.821(0.000)	1487	240.0	995399(-19)	40.00	
167) Perylene-d12	12.205(0.000)	1712	264.0	1032912(-14)	40.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
35) Nitrobenzene-d5	(2)	4.464(0.000)	82	1088710	98.128	98%		51 - 123
71) 2-Fluorobiphenyl	(3)	6.173(-0.001)	172	1467913	98.694	99%		64 - 112
147) Terphenyl-d14	(5)	9.825(0.000)	244	1891600	97.058	97%		52 - 151

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/ul)
19) 1,3-Dichlorobenzene	(1)	3.916(0.000)	146	611281	89.007	93.69			1.00
21) 1,4-Dichlorobenzene	(1)	3.984(0.000)	146	638645	90.298	95.05			1.00
25) 1,2-Dichlorobenzene	(1)	4.113(0.000)	146	596732	88.692	93.36			1.00

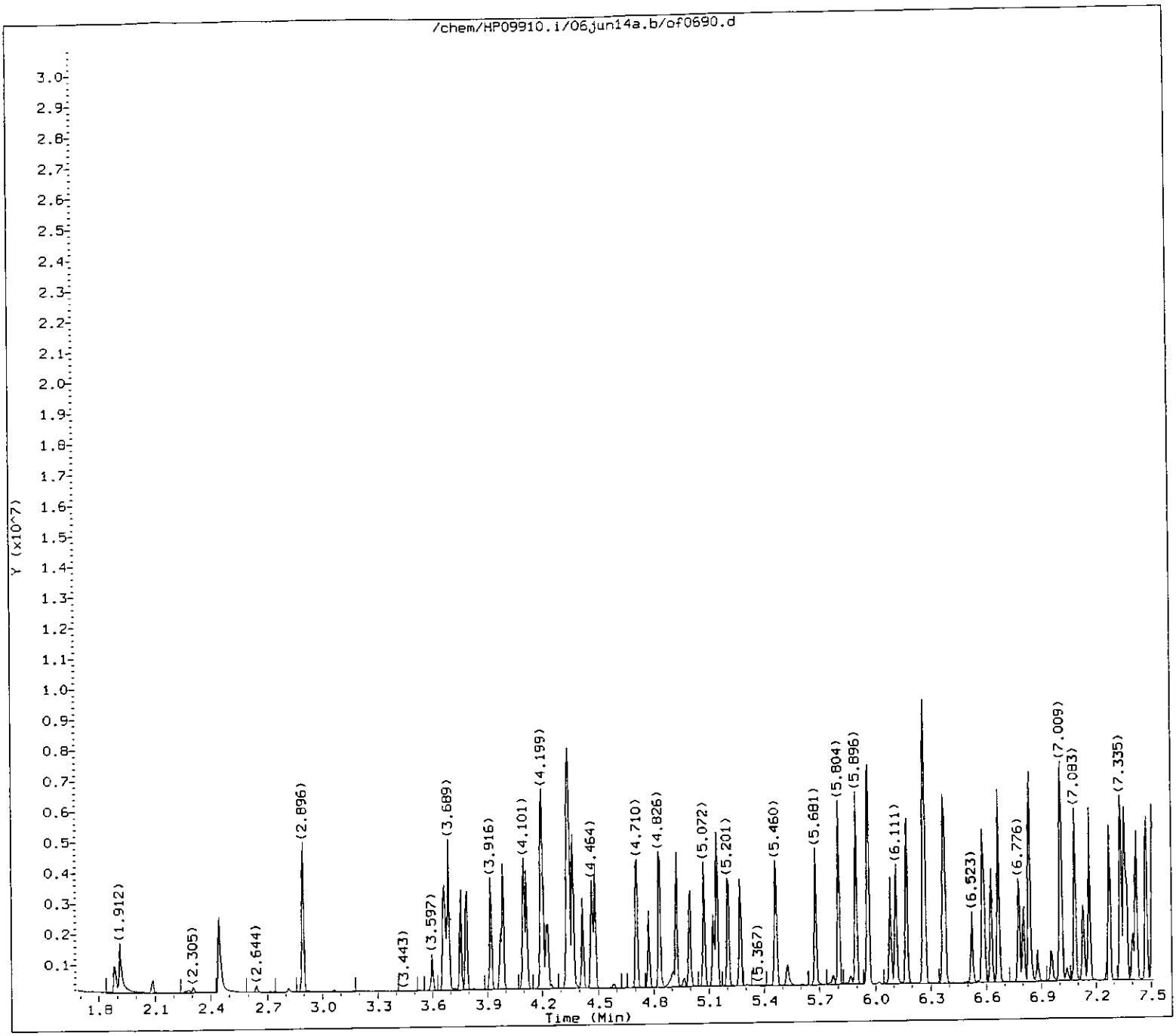
E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Total number of targets = 3

Comments: _____

Analyst: RBISH Date: 6-15-06
Auditor: _____ Date: 6/15/06

8468



Quant Report

Target Revision 3.5

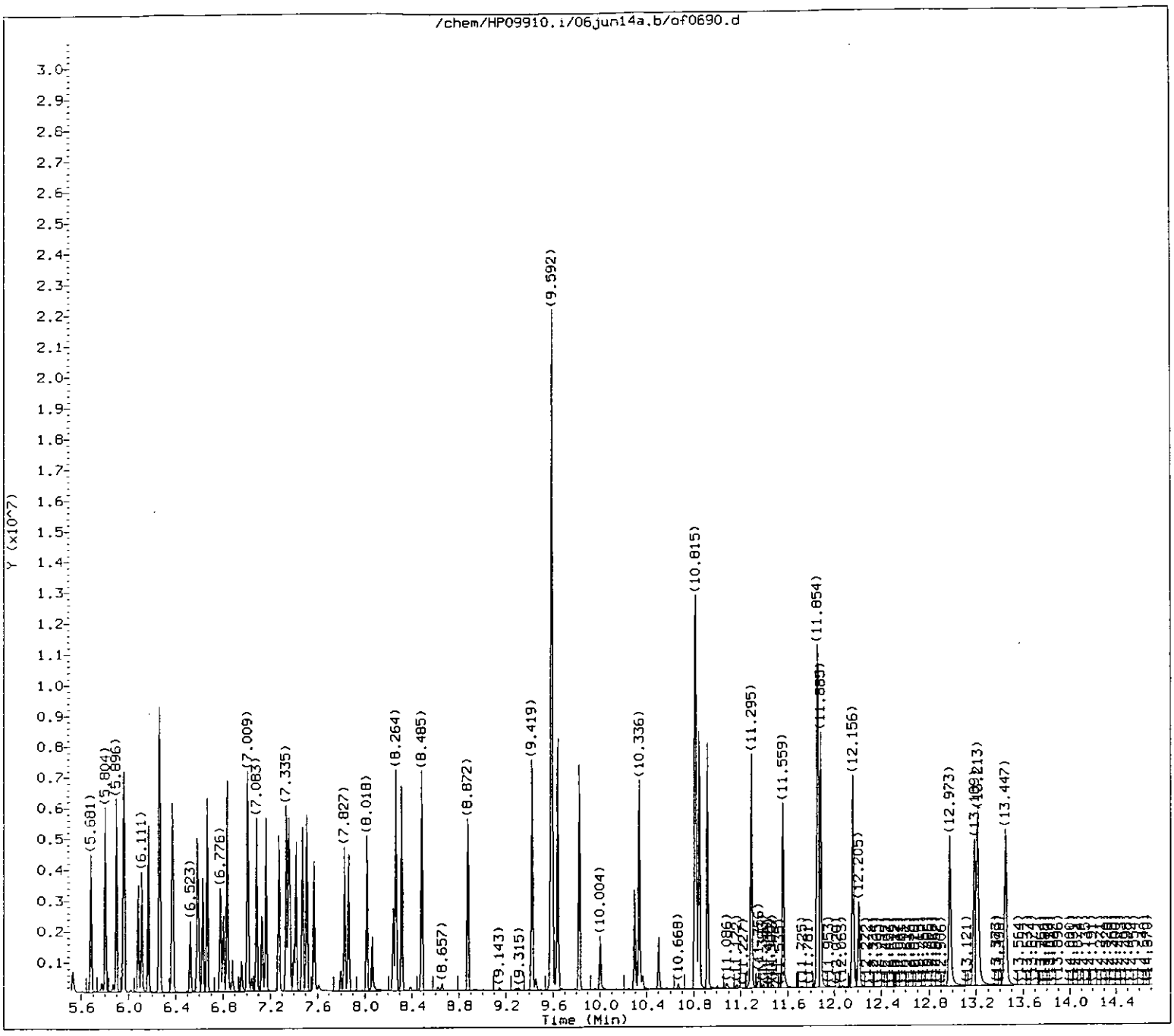
Data File: /chem/HP09910.i/06jun14a.b/of0690.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 06:05 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 08:56
Date, time and analyst ID of latest file update: 15-Jun-2006 09:14 rpb01568

Sample Name: OS2--MSD Lab Sample ID: 4791565

8469

B 1528
6-15-06



Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0690.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 06:05 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 08:56
Date, time and analyst ID of latest file update: 15-Jun-2006 09:14 rpb01568

Sample Name: OS2--MSD Lab Sample ID: 4791565

6-5-06

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0690.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 06:05 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: WTC8beacon
Calibration date and time: 15-JUN-2006 08:56
Date, time and analyst ID of latest file update: 15-Jun-2006 09:14 rpb01568

Sample Name: OS2--MSD Lab Sample ID: 4791565

	Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
19)	1,3-Dichlorobenzene	(1)	3.916	146	611281	89.007
20)	1,4-Dichlorobenzene-d4	(1)	3.972	152	176543	40.000
21)	1,4-Dichlorobenzene	(1)	3.984	146	638645	90.298
25)	1,2-Dichlorobenzene	(1)	4.113	146	596732	88.692
47)	Naphthalene-d8	(2)	5.122	136	728342	40.000
85)	Acenaphthene-d10	(3)	6.806	164	446546	40.000
125)	Phenanthrene-d10	(4)	8.245	188	911408	40.000
156)	Chrysene-d12	(5)	10.821	240	995399	40.000
167)	Perylene-d12	(6)	12.205	264	1032912	40.000
35)	Nitrobenzene-d5	(2)	4.464	82	1088710	98.128
71)	2-Fluorobiphenyl	(3)	6.173	172	1467913	98.694
147)	Terphenyl-d14	(5)	9.825	244	1891600	97.058

M = Compound was manually integrated. A = User selected an alternate hit

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

163WALCSO

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 163WALCS

Sample wt/vol: 1000 (g/mL)ML Lab File ID: of0685.d

Level: (low/med) LOW Date Received:

% Moisture: not dec: dec: Date Extracted: 06/12/06

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/15/06

Injection Volume: 1 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: Sepf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	LOQ	UG/L	Q
100-52-7	Benzaldehyde			23	
108-95-2	Phenol			46	
111-44-4	bis(2-Chloroethyl)ether			84	
95-57-8	2-Chlorophenol			91	
541-73-1	1,3-Dichlorobenzene			88	
106-46-7	1,4-Dichlorobenzene			89	
95-50-1	1,2-Dichlorobenzene			85	
95-48-7	2-Methylphenol			80	
108-60-1	2,2'-oxybis(1-Chloropropane)			110	
98-86-2	Acetophenone			91	
621-64-7	N-Nitroso-di-n-propylamine			86	
106-44-5	4-Methylphenol			74	
67-72-1	Hexachloroethane			87	
98-95-3	Nitrobenzene			93	
78-59-1	Isophorone			84	
88-75-5	2-Nitrophenol			100	
105-67-9	2,4-Dimethylphenol			89	
111-91-1	bis(2-Chloroethoxy)methane			100	
120-83-2	2,4-Dichlorophenol			91	
91-20-3	Naphthalene			93	
106-47-8	4-Chloroaniline			86	
87-68-3	Hexachlorobutadiene			89	
105-60-2	Caprolactam			29	
59-50-7	4-Chloro-3-methylphenol			95	
91-57-6	2-Methylnaphthalene			88	
77-47-4	Hexachlorocyclopentadiene			180	E
88-06-2	2,4,6-Trichlorophenol			96	
95-95-4	2,4,5-Trichlorophenol			91	
92-52-4	1,1'-Biphenyl			95	
91-58-7	2-Chloronaphthalene			79	

0472

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

163WALCSO

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 163WALCS

Sample wt/vol: 1000 (g/mL)ML Lab File ID: of0685.d

Level: (low/med) LOW Date Received:

% Moisture: not dec: dec: Date Extracted: 06/12/06

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/15/06

Injection Volume: 1 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: Sepf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	LOQ	UG/L	Q
88-74-4	2-Nitroaniline		99		
131-11-3	Dimethylphthalate		90		
606-20-2	2,6-Dinitrotoluene		97		
208-96-8	Acenaphthylene		100		
99-09-2	3-Nitroaniline		99		
83-32-9	Acenaphthene		99		
51-28-5	2,4-Dinitrophenol		79		
100-02-7	4-Nitrophenol		37		
132-64-9	Dibenzofuran		93		
121-14-2	2,4-Dinitrotoluene		100		
84-66-2	Diethylphthalate		95		
86-73-7	Fluorene		98		
7005-72-3	4-Chlorophenyl-phenylether		94		
100-01-6	4-Nitroaniline		81		
534-52-1	4,6-Dinitro-2-methylphenol		87		
86-30-6	N-Nitrosodiphenylamine		97		
101-55-3	4-Bromophenyl-phenylether		93		
118-74-1	Hexachlorobenzene		97		
1912-24-9	Atrazine		91		
87-86-5	Pentachlorophenol		87		
85-01-8	Phenanthrene		97		
120-12-7	Anthracene		97		
86-74-8	Carbazole		99		
84-74-2	Di-n-butylphthalate		96		
206-44-0	Fluoranthene		94		
129-00-0	Pyrene		100		
85-68-7	Butylbenzylphthalate		99		
91-94-1	3,3'-Dichlorobenzidine		85		
56-55-3	Benzo(a)anthracene		99		
218-01-9	Chrysene		97		

6473

1C cont

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

163WALCSO

Lab Name: Lancaster Laboratories Contract:_____

Lab Code: LANCAS Case No.:_____ SAS No.:_____ SDG No.:_____

Matrix: (soil/water) WATER Lab Sample ID: 163WALCS

Sample wt/vol: 1000 (g/mL)ML Lab File ID: of0685.d

Level: (low/med) LOW Date Received:

% Moisture: not dec: dec: Date Extracted: 06/12/06

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/15/06

Injection Volume: 1 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: Extraction: Sepf

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	LOQ	UG/L	Q
117-81-7	bis(2-Ethylhexyl)phthalate			95	
117-84-0	Di-n-octylphthalate			93	
205-99-2	Benzo(b)fluoranthene			93	
207-08-9	Benzo(k)fluoranthene			96	
50-32-8	Benzo(a)pyrene			94	
193-39-5	Indeno(1,2,3-cd)pyrene			95	
53-70-3	Dibenz(a,h)anthracene			100	
191-24-2	Benzo(g,h,i)perylene			96	

6474

163WALCSO

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

163WALCS

Data file: /chem/HP09910.i/06jun14a.b/of0685.d Blank Data file reference:/chem/HP09910.i/06jun14a.b/of0684.d
Injection date and time: 15-JUN-2006 04:14 Instrument ID: HP09910.i Batch: 06163WAA
Date, time and analyst ID of latest file update: 15-Jun-2006 09:12 rpb01568

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: 163WAAqc
Calibration date and time (Last Method Edit): 15-JUN-2006 08:56
Mid Level Daily Calibration Standard Reference: /chem/HP09910.i/06jun14a.b/of0674.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt/(Vo * Vi) Matrix: WATER GPC Cleanup: No

Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Volume Injected (Vi): 1 ul
Sample Volume (Vo): 1000.0 ml Final Extract Volume (Vt): 1000 ul

Internal Standards	RT	(+/-RT)	Scan	QIon	Area	(+/- %Area)	Conc(ng/ul)	QC Flag
20) 1,4-Dichlorobenzene-d4	3.972	(0.000)	373	152.0	170832	(-11)	40.00	
47) Naphthalene-d8	5.122	(0.000)	560	136.0	690253	(-17)	40.00	
85) Acenaphthene-d10	6.807	(0.000)	834	164.0	413161	(-20)	40.00	
125) Phenanthrene-d10	8.239	(0.006)	1067	188.0	858975	(-22)	40.00	
156) Chrysene-d12	10.822	(0.000)	1487	240.0	935363	(-24)	40.00	
167) Perylene-d12	12.205	(0.000)	1712	264.0	979543	(-19)	40.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
7) 2-Fluorophenol	(1)	2.896	(0.000)	112	961183	126.490	63%		10 - 99
11) Phenol-d6	(1)	3.658	(0.000)	99	1007309	79.714	40%		10 - 80
35) Nitrobenzene-d5	(2)	4.464	(0.000)	82	1042586	99.156	99%		51 - 123
71) 2-Fluorobiphenyl	(3)	6.167	(0.000)	172	1392809	101.211	101%		64 - 112
112) 2,4,6-Tribromophenol	(3)	7.569	(0.000)	330	384957	210.252	105%		31 - 148
147) Terphenyl-d14	(5)	9.826	(0.000)	244	1974385	107.808	108%		52 - 151

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/ul)
9) Benzaldehyde	(1)	3.597	(0.000)	77	247036	23.439	23.44			1.00
12) Phenol	(1)	3.671	(0.000)	94	674066	45.569	45.57			1.00
17) bis(2-Chloroethyl)ether	(1)	3.757	(0.000)	93	888277	84.431	84.43			1.00
18) 2-Chlorophenol	(1)	3.788	(0.000)	128	578332	90.592	90.59			1.00
19) 1,3-Dichlorobenzene	(1)	3.917	(0.000)	146	586917	88.316	88.32			1.00
21) 1,4-Dichlorobenzene	(1)	3.984	(0.000)	146	609663	89.082	89.08			1.00
25) 1,2-Dichlorobenzene	(1)	4.113	(0.000)	146	554906	85.232	85.23			1.00
26) 2-Methylphenol	(1)	4.200	(0.002)	108	717285	79.689	79.69			1.00
27) 2,2'-oxybis(1-Chloropropane)	(1)	4.230	(0.000)	45	852958	109.476	109.48			1.00
30) Acetophenone	(1)	4.335	(0.000)	105	1184027	90.823	90.82			2.00
31) N-Nitroso-di-n-propylamine	(1)	4.341	(0.000)	70	738180	85.814	85.81			1.00
32) 4-Methylphenol	(1)	4.341	(0.000)	108	759257	74.499	74.50			2.00
34) Hexachloroethane	(1)	4.415	(0.000)	117	254970	87.101	87.10			1.00
36) Nitrobenzene	(2)	4.482	(0.000)	77	1030935	92.661	92.66			1.00
40) Isophorone	(2)	4.704	(0.000)	82	1851862	83.972	83.97			1.00
41) 2-Nitrophenol	(2)	4.771	(0.000)	139	269749	102.835	102.83			1.00
42) 2,4-Dimethylphenol	(2)	4.827	(0.000)	107	786623	88.862	88.86			3.00
43) bis(2-Chloroethoxy)methane	(2)	4.925	(0.000)	93	1101146	99.708	99.71			1.00
45) 2,4-Dichlorophenol	(2)	4.999	(0.000)	162	433412	90.761	90.76			1.00
48) Naphthalene	(2)	5.140	(0.000)	128	1828982	92.960	92.96			1.00
49) 4-Chloroaniline	(2)	5.202	(0.001)	127	707674	86.007	86.01			1.00
51) Hexachlorobutadiene	(2)	5.269	(0.000)	225	272502	89.095	89.09			1.00

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

Data file: /chem/HP09910.i/06jun14a.b/of0685.d Blank Data file reference:/chem/HP09910.i/06jun14a.b/of0684.d
Injection date and time: 15-JUN-2006 04:14 Instrument ID: HP09910.i Batch: 06163WAA
Date, time and analyst ID of latest file update: 15-Jun-2006 09:12 rpb01568

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: **163WAAqc**
Calibration date and time (Last Method Edit): 15-JUN-2006 08:56
Mid Level Daily Calibration Standard Reference: /chem/HP09910.i/06jun14a.b/of0674.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt/(Vo * Vi) Matrix: WATER GPC Cleanup: No

Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Volume Injected (Vi): 1 ul
Sample Volume (Vo): 1000.0 ml Final Extract Volume (Vt): 1000 ul

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/ul)
53) Caprolactam	(2)	5.528(0.001)	113	90089	28.692	28.69			5.00
60) 4-Chloro-3-methylphenol	(2)	5.681(0.000)	107	727807	94.795	94.79			1.00
61) 2-Methylnaphthalene	(2)	5.804(0.000)	142	1116721	87.574	87.57			1.00
66) Hexachlorocyclopentadiene	(3)	5.958(0.000)	237	516463	183.182	183.18		E	5.00
68) 2,4,6-Trichlorophenol	(3)	6.081(0.000)	196	295586	95.800	95.80			1.00
69) 2,4,5-Trichlorophenol	(3)	6.112(0.000)	196	348786	90.616	90.62			1.00
74) 1,1'-Biphenyl	(3)	6.259(0.000)	154	1500531	94.907	94.91			1.00
75) 2-Chloronaphthalene	(3)	6.272(0.000)	162	1087368	78.841	78.84			2.00
79) 2-Nitroaniline	(3)	6.376(0.000)	138	404449	99.175	99.18			1.00
80) Dimethylphthalate	(3)	6.579(0.000)	163	1234344	89.837	89.84			2.00
81) 2,6-Dinitrotoluene	(3)	6.628(0.000)	165	296398	97.016	97.02			1.00
82) Acenaphthylene	(3)	6.665(0.000)	152	1945366	101.544	101.54			1.00
83) 3-Nitroaniline	(3)	6.776(0.000)	138	349691	98.654	98.65			1.00
89) Acenaphthene	(3)	6.837(0.000)	153	1215630	98.831	98.83			1.00
90) 2,4-Dinitrophenol	(3)	6.880(0.000)	184	90619	78.739	78.74			20.00
92) 4-Nitrophenol	(3)	6.954(0.001)	109	94458	37.205	37.20			10.00
93) Dibenzofuran	(3)	7.003(0.000)	168	1746950	93.220	93.22			1.00
94) 2,4-Dinitrotoluene	(3)	7.009(0.000)	165	379798	101.297	101.30			1.00
100) Diethylphthalate	(3)	7.274(0.000)	149	1347361	94.864	94.86			2.00
102) Fluorene	(3)	7.335(0.000)	166	1475457	98.344	98.34			1.00
104) 4-Chlorophenyl-phenylether	(3)	7.360(0.000)	204	679778	93.791	93.79			2.00
105) 4-Nitroaniline	(3)	7.372(0.000)	138	330200	81.138	81.14			1.00
106) 4,6-Dinitro-2-methylphenol	(4)	7.403(-0.001)	198	151359	86.835	86.83			5.00
109) N-Nitrosodiphenylamine	(4)	7.477(-0.001)	169	1066710	96.870	96.87			2.00
116) 4-Bromophenyl-phenylether	(4)	7.827(0.000)	248	388854	93.449	93.45			1.00
117) Hexachlorobenzene	(4)	7.864(-0.001)	284	471907	97.248	97.25			1.00
123) Atrazine	(4)	8.018(-0.001)	200	410748	90.604	90.60			2.00
124) Pentachlorophenol	(4)	8.061(0.000)	266	185743	87.466	87.47			3.00
126) Phenanthrene	(4)	8.264(-0.001)	178	2162176	97.018	97.02			1.00
130) Anthracene	(4)	8.313(0.000)	178	2242859	97.468	97.47			1.00
131) Carbazole	(4)	8.485(-0.001)	167	2220154	99.428	99.43			1.00
137) Di-n-butylphthalate	(4)	8.873(0.000)	149	2382271	96.199	96.20			2.00
142) Fluoranthene	(4)	9.420(-0.001)	202	2588844	94.099	94.10			1.00
145) Pyrene	(5)	9.641(-0.001)	202	2790676	100.252	100.25			1.00
148) Butylbenzylphthalate	(5)	10.336(0.000)	149	1149792	98.853	98.85			2.00
153) 3,3'-Dichlorobenzidine	(5)	10.809(0.000)	252	877638	84.715	84.71			2.00
154) Benzo(a)anthracene	(5)	10.815(0.000)	228	2653886	98.512	98.51			1.00
158) Chrysene	(5)	10.846(0.000)	228	2542436	97.125	97.12			1.00
159) bis(2-Ethylhexyl)phthalate	(5)	10.920(0.000)	149	1528439	95.485	95.48			2.00
161) Di-n-octylphthalate	(6)	11.559(0.000)	149	2698835	93.004	93.00			2.00
164) Benzo(b)fluoranthene	(6)	11.855(0.000)	252	2820736	92.507	92.51			1.00

Lancaster Labs
Quantitation Report GC/MS Semi-Volatiles

Data file: /chem/HP09910.i/06jun14a.b/of0685.d Blank Data file reference:/chem/HP09910.i/06jun14a.b/of0684.d
Injection date and time: 15-JUN-2006 04:14 Instrument ID: HP09910.i Batch: 06163WAA
Date, time and analyst ID of latest file update: 15-Jun-2006 09:12 rpb01568

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: 163WAAqc
Calibration date and time (Last Method Edit): 15-JUN-2006 08:56
Mid Level Daily Calibration Standard Reference: /chem/HP09910.i/06jun14a.b/of0674.d

Sample Concentration Formula: On-Column Amount * DF * Uf * Vt/(Vo * Vi) Matrix: WATER GPC Cleanup: No

Dilution Factor (DF): 1 Unit Correction Factor (Uf): 1 Volume Injected (Vi): 1 ul
Sample Volume (Vo): 1000.0 ml Final Extract Volume (Vt): 1000 ul

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit (ng/ul)
165) Benzo(k)fluoranthene	(6)	11.885	(0.000)	252	3119011	96.355	96.35			1.00
166) Benzo(a)pyrene	(6)	12.156	(0.000)	252	2736826	93.708	93.71			1.00
171) Indeno(1,2,3-cd)pyrene	(6)	13.183	(0.000)	276	3162497	95.182	95.18			1.00
172) Dibenz(a,h)anthracene	(6)	13.213	(0.000)	278	2698895	102.367	102.37			1.00
173) Benzo(g,h,i)perylene	(6)	13.447	(0.000)	276	2715345	96.215	96.21			1.00

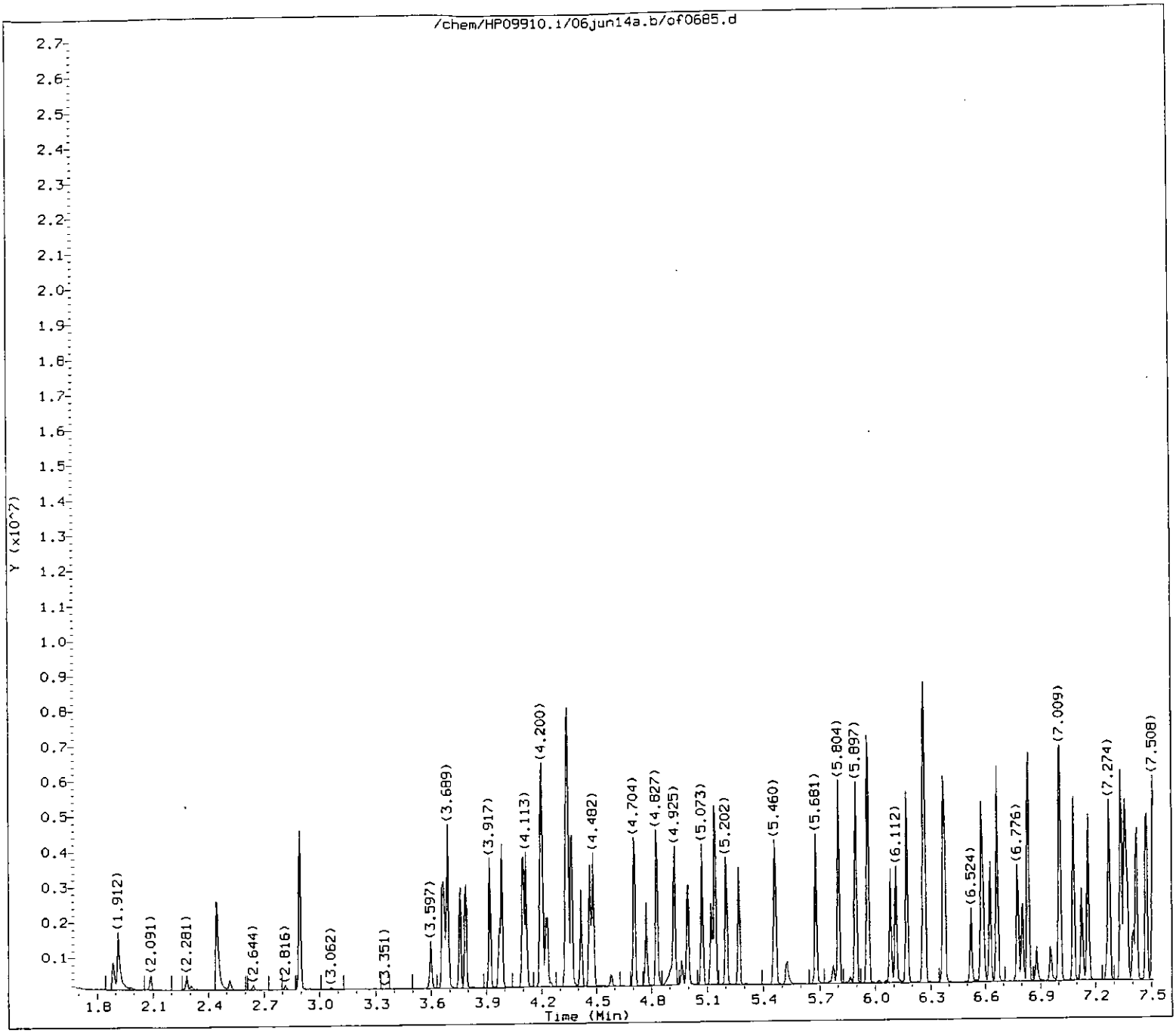
E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Total number of targets = 68

Comments: _____

Analyst: RB123 Date: 6-15-06
Auditor: _____ Date: 6/15/06

0477



Quant Report

Target Revision 3.5

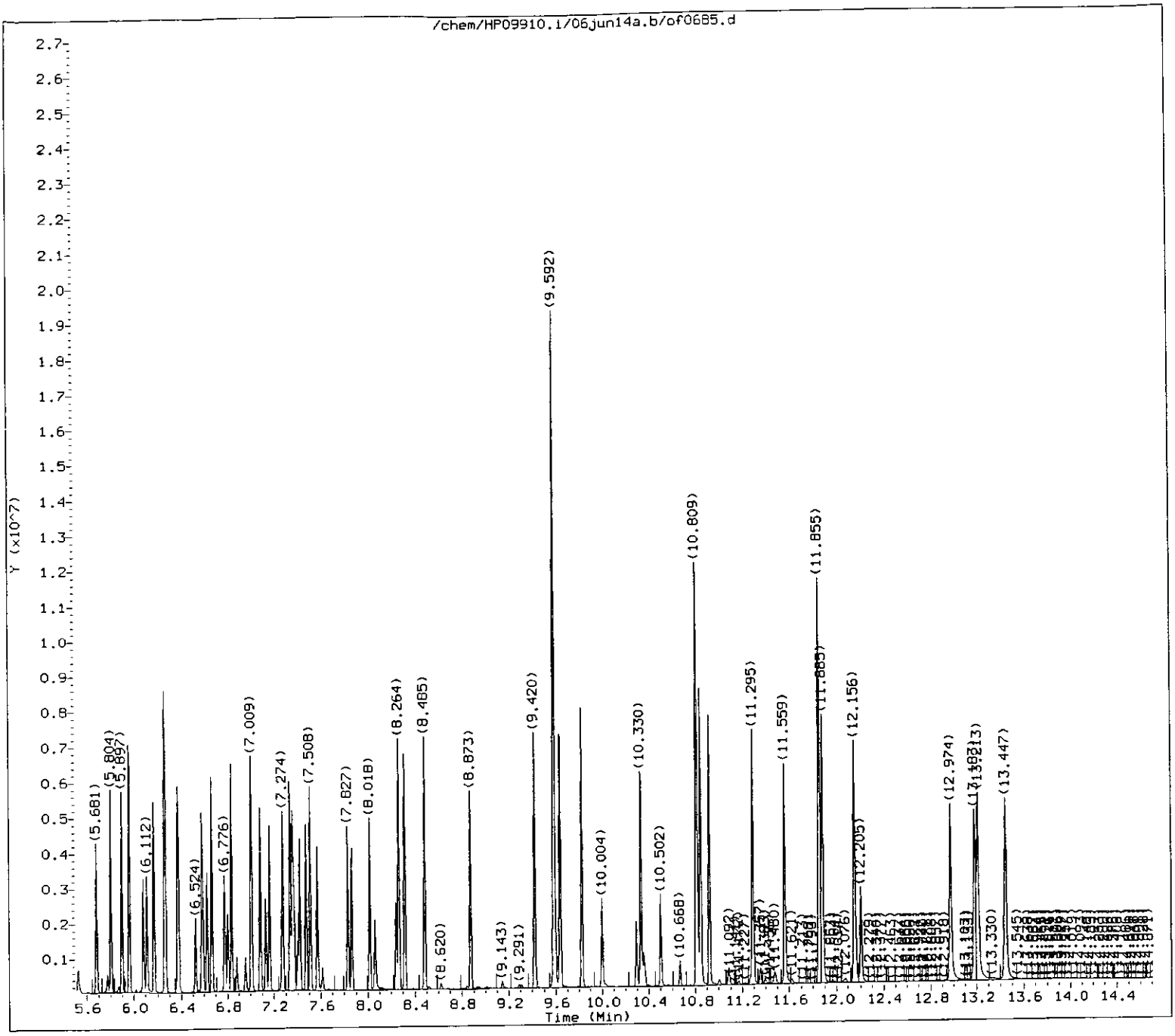
Data File: /chem/HP09910.i/06jun14a.b/of0685.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 04:14 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: 163WAAqc
Calibration date and time: 15-JUN-2006 08:56
Date, time and analyst ID of latest file update: 15-Jun-2006 09:12 rpb01568

Sample Name: 163WALCSO Lab Sample ID: 163WALCS

8478

RB 6-15-06



Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0685.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 04:14 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: 163WAAqc
Calibration date and time: 15-JUN-2006 08:56
Date, time and analyst ID of latest file update: 15-Jun-2006 09:12 rpb01568

Sample Name: 163WALCSO Lab Sample ID: 163WALCS

0479

RB 6-15-06

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0685.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 04:14 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: 163WAAqc
Calibration date and time: 15-JUN-2006 08:56
Date, time and analyst ID of latest file update: 15-Jun-2006 09:12 rpb01568

Sample Name: 163WALCSO Lab Sample ID: 163WALCS

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
9) Benzaldehyde	(1)	3.597	77	247036	23.439
12) Phenol	(1)	3.671	94	674066	45.569
17) bis(2-Chloroethyl)ether	(1)	3.757	93	888277	84.431
18) 2-Chlorophenol	(1)	3.788	128	578332	90.592
19) 1,3-Dichlorobenzene	(1)	3.917	146	586917	88.316
20) 1,4-Dichlorobenzene-d4	(1)	3.972	152	170832	40.000
21) 1,4-Dichlorobenzene	(1)	3.984	146	609663	89.082
25) 1,2-Dichlorobenzene	(1)	4.113	146	554906	85.232
26) 2-Methylphenol	(1)	4.200	108	717285	79.689
27) 2,2'-oxybis(1-Chloropropane)	(1)	4.230	45	852958	109.476
30) Acetophenone	(1)	4.335	105	1184027	90.823
31) N-Nitroso-di-n-propylamine	(1)	4.341	70	738180	85.814
32) 4-Methylphenol	(1)	4.341	108	759257	74.499
34) Hexachloroethane	(1)	4.415	117	254970	87.101
36) Nitrobenzene	(2)	4.482	77	1030935	92.661
40) Isophorone	(2)	4.704	82	1851862	83.972
41) 2-Nitrophenol	(2)	4.771	139	269749	102.835
42) 2,4-Dimethylphenol	(2)	4.827	107	786623	88.862
43) bis(2-Chloroethoxy)methane	(2)	4.925	93	1101146	99.708
45) 2,4-Dichlorophenol	(2)	4.999	162	433412	90.761
47) Naphthalene-d8	(2)	5.122	136	690253	40.000
48) Naphthalene	(2)	5.140	128	1828982	92.960
49) 4-Chloroaniline	(2)	5.202	127	707674	86.007
51) Hexachlorobutadiene	(2)	5.269	225	272502	89.095
53) Caprolactam	(2)	5.528	113	90089	28.692
60) 4-Chloro-3-methylphenol	(2)	5.681	107	727807	94.795
61) 2-Methylnaphthalene	(2)	5.804	142	1116721	87.574
66) Hexachlorocyclopentadiene	(3)	5.958	237	516463	183.182
68) 2,4,6-Trichlorophenol	(3)	6.081	196	295586	95.800
69) 2,4,5-Trichlorophenol	(3)	6.112	196	348786	90.616
74) 1,1'-Biphenyl	(3)	6.259	154	1500531	94.907
75) 2-Chloronaphthalene	(3)	6.272	162	1087368	78.841
79) 2-Nitroaniline	(3)	6.376	138	404449	99.175
80) Dimethylphthalate	(3)	6.579	163	1234344	89.837
81) 2,6-Dinitrotoluene	(3)	6.628	165	296398	97.016
82) Acenaphthylene	(3)	6.665	152	1945366	101.544
83) 3-Nitroaniline	(3)	6.776	138	349691	98.654
85) Acenaphthene-d10	(3)	6.807	164	413161	40.000
89) Acenaphthene	(3)	6.837	153	1215630	98.831
90) 2,4-Dinitrophenol	(3)	6.880	184	90619	78.739
92) 4-Nitrophenol	(3)	6.954	109	94458	37.205
93) Dibenzofuran	(3)	7.003	168	1746950	93.220

M = Compound was manually integrated. A = User selected an alternate hit

Quant Report

Target Revision 3.5

Data File: /chem/HP09910.i/06jun14a.b/of0685.d Instrument ID: HP09910.i
Injection date and time: 15-JUN-2006 04:14 Analyst ID: lmh00956

Method used: /chem/HP09910.i/06jun14a.b/zebron32.m Sublist used: 163WAAqc
Calibration date and time: 15-JUN-2006 08:56
Date, time and analyst ID of latest file update: 15-Jun-2006 09:12 rpb01568

Sample Name: 163WALCSO Lab Sample ID: 163WALCS

	Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
94)	2,4-Dinitrotoluene	(3)	7.009	165	379798	101.297
100)	Diethylphthalate	(3)	7.274	149	1347361	94.864
102)	Fluorene	(3)	7.335	166	1475457	98.344
104)	4-Chlorophenyl-phenylether	(3)	7.360	204	679778	93.791
105)	4-Nitroaniline	(3)	7.372	138	330200	81.138
106)	4,6-Dinitro-2-methylphenol	(4)	7.403	198	151359	86.835
109)	N-Nitrosodiphenylamine	(4)	7.477	169	1066710	96.870
116)	4-Bromophenyl-phenylether	(4)	7.827	248	388854	93.449
117)	Hexachlorobenzene	(4)	7.864	284	471907	97.248
123)	Atrazine	(4)	8.018	200	410748	90.604
124)	Pentachlorophenol	(4)	8.061	266	185743	87.466
125)	Phenanthrene-d10	(4)	8.239	188	858975	40.000
126)	Phenanthrene	(4)	8.264	178	2162176	97.018
130)	Anthracene	(4)	8.313	178	2242859	97.468
131)	Carbazole	(4)	8.485	167	2220154	99.428
137)	Di-n-butylphthalate	(4)	8.873	149	2382271	96.199
142)	Fluoranthene	(4)	9.420	202	2588844	94.099
145)	Pyrene	(5)	9.641	202	2790676	100.252
148)	Butylbenzylphthalate	(5)	10.336	149	1149792	98.853
153)	3,3'-Dichlorobenzidine	(5)	10.809	252	877638	84.715
154)	Benzo(a)anthracene	(5)	10.815	228	2653886	98.512
156)	Chrysene-d12	(5)	10.822	240	935363	40.000
158)	Chrysene	(5)	10.846	228	2542436	97.125
159)	bis(2-Ethylhexyl)phthalate	(5)	10.920	149	1528439	95.485
161)	Di-n-octylphthalate	(6)	11.559	149	2698835	93.004
164)	Benzo(b)fluoranthene	(6)	11.855	252	2820736	92.507
165)	Benzo(k)fluoranthene	(6)	11.885	252	3119011	96.355
166)	Benzo(a)pyrene	(6)	12.156	252	2736826	93.708
167)	Perylene-d12	(6)	12.205	264	979543	40.000
171)	Indeno(1,2,3-cd)pyrene	(6)	13.183	276	3162497	95.182
172)	Dibenz(a,h)anthracene	(6)	13.213	278	2698895	102.367
173)	Benzo(g,h,i)perylene	(6)	13.447	276	2715345	96.215
7)	2-Fluorophenol	(1)	2.896	112	961183	126.490
11)	Phenol-d6	(1)	3.658	99	1007309	79.714
35)	Nitrobenzene-d5	(2)	4.464	82	1042586	99.156
71)	2-Fluorobiphenyl	(3)	6.167	172	1392809	101.211
112)	2,4,6-Tribromophenol	(3)	7.569	330	384957	210.252
147)	Terphenyl-d14	(5)	9.826	244	1974385	107.808

M = Compound was manually integrated. A = User selected an alternate hit

Lancaster Laboratories
Semi-Volatiles

Runlog for Hewlett Packard GC/MS System HP09910 **HP #15**

*** Shift #1 Analyst: KBirk 6-15-06 *** Shift #2 Analyst: _____

Comment Code:

R =	Reinjection necessary	X =	Sample sent to be reextracted
S =	Surrogate problem	I =	Internal Standard problem
NU =	Not used	F =	Further dilution required
MR =	Meets requirements	IUO =	Internal use only
Cz =	Confirms z, (z = I or X)	T =	Injected outside valid tune period

Other problems or comments are as follows:

Data Directory Path is - D:\DATA\06jun14a\

ALS Btl #	Laboratory File ID	Client ID	Lab Sample ID	Date injected	Time injected	Case and SDG Number or Extraction Batch Number	Dilution Factor	Comments
1	OF0670.D	DFTPP	8270DFTPP1116	14 Jun 2006	22:59			OK
3	OF0671.D	SSTD080	STD1576	14 Jun 2006	23:13			OK
2	OF0672.D	SSTD080	BAS1516	14 Jun 2006	23:35			OK
4	OF0673.D	SSTD120	STD1576	15 Jun 2006	00:05			OK
5	OF0674.D	SSTD050	STD1576	15 Jun 2006	00:27			OK
6	OF0675.D	SSTD030	STD1576	15 Jun 2006	00:55			OK
7	OF0676.D	SSTD015	STD1576	15 Jun 2006	1:17			OK
8	OF0677.D	SSTD005	STD1576	15 Jun 2006	1:39			OK
9	OF0678.D	SSTD001	8270MDL1576	15 Jun 2006	2:01			OK
10	OF0679.D	SSTD050	ICV0036	15 Jun 2006	2:23			OK
12	OF0681.D	GPC BLK	COL 37	15 Jun 2006	2:45	06163SLB		IUO
13	OF0682.D	GPC LCS	COL 37	15 Jun 2006	3:08	06163SLB		IUO
14	OF0683.D	GPC CTRL	06/14/06	15 Jun 2006	3:30	06163SLB		IUO
15	OF0684.D	SBLKWA163O	SBLKWA163	15 Jun 2006	3:52	06163WAA		OK
16	OF0685.D	163WALCSO	163WALCS	15 Jun 2006	4:14	06163WAA		OK
17	OF0686.D	250EB	4791645	15 Jun 2006	4:36	06163WAA		OK
18	OF0687.D	250AB	4791646	15 Jun 2006	4:58	06163WAA		OK
19	OF0688.D	OS2--	4791563	15 Jun 2006	5:21	06163WAA		OK
20	OF0689.D	OS2--MS	4791564	15 Jun 2006	5:43	06163WAA		OK
21	OF0690.D	OS2--MSD	4791565	15 Jun 2006	6:05	06163WAA		OK
22	OF0691.D	BESM2DL	4789600DL	15 Jun 2006	6:27	06161WAA	20	OK
23	OF0692.D	BESM5DL	4789603DL	15 Jun 2006	6:50	06161WAA	5	OK
24	OF0693.D	BESFDDL	4789605DL	15 Jun 2006	7:12	06161WAA	5	OK
25	OF0694.D	MOMDPDL	4790186DL	15 Jun 2006	7:34	06161WAA	2	OK

Lancaster Laboratories
Semi-Volatiles

Runlog for Hewlett Packard GC/MS System HP05910 **HP #15**

*** Shift #1 Analyst:_____ *** Shift #2 Analyst: Hallenstine 1986.

Comment Code:

R	=	Reinjection necessary	X	=	Sample sent to be reextracted
S	=	Surrogate problem	I	=	Internal Standard problem
NU	=	Not used	F	=	Further dilution required
MR	=	Meets requirements	IUO	=	Internal use only
Cz	=	Confirms z, (z = I or X)	T	=	Injected outside valid tune period

√ BAS 1 8270C

Other problems or comments are as follows:

_____
_____
_____
_____

Data Directory Path is - D:\DATA\06jun15\

ALS Btl #	Laboratory File ID	Client ID	Lab Sample ID	Date injected	Time injected	Case and SDG Number or Extraction Batch Number	Dilution Factor	Comments
1	OF0700.D	DFTPP	8270DFTPP1116	15 Jun 2006	8:32			MR
2	OF0701.D	SSTD030	BAS1516	15 Jun 2006	8:47			MR
3	OF0702.D	SSTD030	STD1576	15 Jun 2006	9:10			MR
26	OF0703.D	112A7	4791190	15 Jun 2006	9:47	06163WAA		MR
27	OF0704.D	125A8	4791191	15 Jun 2006	10:09	06163WAA		MR
28	OF0705.D	TB069	4791193	15 Jun 2006	10:31	06163WAA		MR
29	OF0706.D	-TF5-	4791555	15 Jun 2006	10:53	06163WAA		MR
30	OF0707.D	-TF23	4791556	15 Jun 2006	11:15	06163WAA		MR
31	OF0708.D	-DC2-	4791558	15 Jun 2006	11:38	06163WAA		MR
32	OF0709.D	-DC1-	4791559	15 Jun 2006	12:00	06163WAA		MR
33	OF0710.D	DB8B-	4791560	15 Jun 2006	12:22	06163WAA		MR
34	OF0711.D	DB10B	4791561	15 Jun 2006	12:45	06163WAA		MR
35	OF0712.D	DB17-	4791562	15 Jun 2006	13:07	06163WAA		MR
36	OF0713.D	OR2--	4791568	15 Jun 2006	13:29	06163WAA		MR
37	OF0714.D	OS3--	4791569	15 Jun 2006	13:52	06163WAA		MR
38	OF0715.D	OR3--	4791570	15 Jun 2006	14:14	06163WAA		MR
4	OF071K.D	SBLK	SBLK	15 Jun 2006	14:54			NU
4	OF0716.D	SBLKWG16DO	SBLKWG160	15 Jun 2006	15:16	06160WAG		MR
5	OF0717.D	160WGLCSO	160WGLCS	15 Jun 2006	15:47	06160WAG		MR
6	OF0718.D	DP-12	4789223	15 Jun 2006	16:10	06160WAG		MR
7	OF0719.D	DP-12MS	4789224	15 Jun 2006	16:32	06160WAG		MR
8	OF0720.D	DP-12MSD	4789225	15 Jun 2006	16:54	06160WAG		MR
9	OF0721.D	115B-RE	4774047RE	15 Jun 2006	17:17	06160WAG		MR
10	OF0722.D	CONMW	4788848	15 Jun 2006	17:39	06160WAG		MR
3	OF072A.D	SECC030	STD1576	15 Jun 2006	18:01			MR

Extraction/Distillation/Digestion Logs

RUSH

Organic Extraction Batchlog

Reviewed: mm 6/19/06 06/19/06

Prep Analysis # 00813 BNA Water Extraction

Prep Group # 603 TC8 Water Dept: 26

Start Date: 6-12-06

Start Time: 16:15

Tech 1: 0151709

Tech 2:

BATCH NO. 06163WAA026

QC	Sample Code	Amt (mL)	SS/IS Sol.	Amt (mL)	MS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments
BLANK6	PBLKUE	1000	SS0614526A	1.0			1.0	11	2	/	DI H2O
LCS6	LCSW3	1000	SS0614526A	↓	MS0615626A	1.0	↓	↓	↓	/	↓
4791564MS	OS2--MS	950	SS0614526A		MS0615626A	↓				45A	clear
4791565MSD	OS2--MSD	950	SS0614526A		MS0615626A					↓	↓

	Sample #	Sample Code	Amt (mL)	SS/IS Sol.	Amt (mL)	FV (mL)	pH	pH	BC	Comments	Analyses	Due Date	P	C
1	4791190	112A7	996	SS0614526A	1.0	1.0	11	2	45A	slight yellow tint	4678	6/21/2006	P	N
2	4791191	125A8	1003	SS0614526A	↓	↓	↓	↓	↓	orange tint w/ orange sed.	4678	6/21/2006	P	N
3	4791193	FB069	1052	SS0614526A						clear	4678	6/21/2006	P	N
4	4791555	-TF5-	1038	SS0614526A						slight yellow tint	4678	6/26/2006	N	Y
5	4791556	-TF23	994	SS0614526A						cloudy yellow	4678	6/26/2006	N	Y
6	4791558	-DC2-	976	SS0614526A						↓	4678	6/26/2006	N	Y
7	4791559	-DC1-	1049	SS0614526A						clear	4678	6/26/2006	N	Y
8	4791560	DB8B-	990	SS0614526A						↓	4678	6/26/2006	N	Y
9	4791561	DB108	996	SS0614526A						cloudy yellow	4678	6/26/2006	N	Y
10	4791562	DB17-	1011	SS0614526A						clear	4678	6/26/2006	N	Y
11	4791563 bkg	OS2--	950	SS0614526A							4678 NaOH	Bacon 6/26/2006	N	Y
12	4791568	OR2--	983	SS0614526A							4678	6/26/2006	N	Y
13	4791569	OS3--	976	SS0614526A							4678	6/26/2006	N	Y
14	4791570	OR3--	954	SS0614526A							4678 ↓	↓ 6/26/2006	N	Y
15	4791645	250EB	1053	SS0614526A							4678 F1	3 6/15/2006	S	N
16	4791646	250AB	1051	SS0614526A							4678 ↓	↓ 6/15/2006	S	N
17														
18														
19														
20												0151709		

Additional Comment:

DF = Dilution Factor FV = Final Volume

Spike Solutions:

SS0614526A BNA SURROGATE STANDARD

MS0615626A LCS SPIKE MIX

Solvent Used	Lot No.	Solvent Used	Lot No.
MeCl2	C19E33		
Na2SO4	076143A		
NaOH	5129-20		
H2SO4	C09043		
Rack ID:		Work Station:	bench 2
Internal Standard	4831571	Balance #	8
S-bath ID 1	89 °C	S-bath ID 9	89 °C N-Evap + °C

Documented temps are NIST corrected. 06163WAA026

5485

Metals Data

Case Narrative
Conformance/Nonconformance
Summary

Lancaster Laboratories

Where quality is a science.

CASE NARRATIVE FOR INORGANICS

Laboratory Name: Lancaster Laboratories

SDG Number: CBN23

Date Received: 06/10/2006

Dilutions:
Refer to the analysis run logs for samples requiring dilutions.

Quality Assurance/Quality Control:

The final concentration (ug/l) is obtained using the following calculation:

$$\text{Instrument reading (ug/l)} \times \frac{\text{final volume}}{\text{initial volume}} \times \text{dilution factor}$$

Explanatory Notes:
The instrument detection limits (IDLs) are used for determining the U flags on the initial and continuing calibration blanks. The highest IDL is selected when multiple instruments are used for an analysis. The method detection limits (MDLs) are used for determining all other U flags.

Calibration Standards:
Instrument calibration standards are prepared monthly from stock solutions purchased from Aldrich Chemical, EM Science, Fisher Scientific, High Purity, Inorganic Ventures, JT Baker, Spex Industries Inc., Ultra Scientific, or VHG Laboratories.

Case Narrative reviewed and approved by:

Betsy B. Menefee for Date 7/05/06
Dana M. Kauffman, Manager
Data Deliverables

8468

QUALITY ASSURANCE SUMMARY

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: LANCASTER_LABORATORIES

SDG No.: CBN23

EPA Sample No.	Lab Sample ID.
-DC1-	4791559
-DC2-	4791558
-TF5-	4791555
DB108	4791561
DB17-	4791562
DB8B-	4791560
MTF23	4791557
OR2--	4791568
OR3--	4791570
OS2--	4791563
OS2--D	4791566
OS2--M	4791565
OS2--S	4791564
OS3--	4791569

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	YES	NA
Were ICP-AES and ICP-MS background corrections Applied?	(Yes/No)	YES	NA
If yes, were raw data generated before application of background corrections?	(Yes/No)	NO	

LEGEND

FLAGS: (indicate matrix interference)	METHODS:
N = Matrix Spike OOS	ICP = Inductively Coupled Plasma
* = Duplicate OOS	P = ICP Atomic Emission Spectrometer
W = Method F Analytical Spike Recovery <85% or >115% when the sample conc. is <50% of the spike conc.	MS = ICP Mass Spectrometry
	F = Graphite Furnace
	CV = Cold Vapor
S = Analysis Determined by MSA	NR = Not Required
+ = MSA Correlation Coefficient <0.995	TERMS:
E = Matrix Effects exist as proven by Serial Dilution or Spiked Dilution	MDL = Method Detection Limit
	LOQ = Limit of Quantitation
M = Duplicate Injection Precision not met	OOS = Out of Specification
Presence of FLAGS does not invalidate data	MSA = Method of Standard Addition
U = Below MDL, B = Below LOQ	

I certify that this data package is technically accurate and complete. Release of the data contained in this data package has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Betsy L. Menefee for

Date: 7/05/06

Name: Dana M. Kauffman

Title: Manager
Data Deliverables

Sample Data

QUALITY ASSURANCE SUMMARY

INORGANIC ANALYSIS DATA SHEET
FORM 1

CLIENT SAMPLE NO.

-DC1-

Lab Name: LANCASTER_LABORATORIES

SDG No.: CBN23

Matrix: (soil/water) WATER

Lab Sample ID: 4791559

Level: (low/med) LOW

Date Received: 06/10/2006

% Solids: 0

Concentration Units (**ug/L** or **mg/kg** dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-92-1	Lead	6.9	U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

_____

_____

_____

_____

QUALITY ASSURANCE SUMMARY

INORGANIC ANALYSIS DATA SHEET
FORM 1

CLIENT SAMPLE NO.

-DC2-

Lab Name: LANCASTER_LABORATORIES

SDG No.: CBN23

Matrix: (soil/water) WATER

Lab Sample ID: 4791558

Level: (low/med) LOW

Date Received: 06/10/2006

% Solids: 0

Concentration Units (**ug/L** or **mg/kg** dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-92-1	Lead	6.9	U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

_____

_____

_____

_____

QUALITY ASSURANCE SUMMARY

INORGANIC ANALYSIS DATA SHEET
FORM 1

CLIENT SAMPLE NO.

-TF5-

Lab Name: LANCASTER_LABORATORIES

SDG No.: CBN23

Matrix: (soil/water) WATER

Lab Sample ID: 4791555

Level: (low/med) LOW

Date Received: 06/10/2006

% Solids: 0

Concentration Units (**ug/L** or **mg/kg** dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-92-1	Lead	6.9	U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

_____

_____

_____

_____

QUALITY ASSURANCE SUMMARY

INORGANIC ANALYSIS DATA SHEET
FORM 1

CLIENT SAMPLE NO.

DB108

Lab Name: LANCASTER_LABORATORIES

SDG No.: CBN23

Matrix: (soil/water) WATER

Lab Sample ID: 4791561

Level: (low/med) LOW

Date Received: 06/10/2006

% Solids: 0

Concentration Units (**ug/L** or **mg/kg** dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-92-1	Lead	6.9	U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

_____

_____

_____

_____

QUALITY ASSURANCE SUMMARY

INORGANIC ANALYSIS DATA SHEET
FORM 1

CLIENT SAMPLE NO.

DB17-

Lab Name: LANCASTER_LABORATORIES

SDG No.: CBN23

Matrix: (soil/water) WATER

Lab Sample ID: 4791562

Level: (low/med) LOW

Date Received: 06/10/2006

% Solids: 0

Concentration Units (**ug/L** or **mg/kg** dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-92-1	Lead	6.9	U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

_____

_____

_____

_____

QUALITY ASSURANCE SUMMARY

INORGANIC ANALYSIS DATA SHEET
FORM 1

CLIENT SAMPLE NO.

DB8B-

Lab Name: LANCASTER_LABORATORIES

SDG No.: CBN23

Matrix: (soil/water) WATER

Lab Sample ID: 4791560

Level: (low/med) LOW

Date Received: 06/10/2006

% Solids: 0

Concentration Units (**ug/L** or **mg/kg** dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-92-1	Lead	6.9	U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

_____

_____

_____

_____

QUALITY ASSURANCE SUMMARY

INORGANIC ANALYSIS DATA SHEET
FORM 1

CLIENT SAMPLE NO.

MTF23

Lab Name: LANCASTER_LABORATORIES

SDG No.: CBN23

Matrix: (soil/water) WATER

Lab Sample ID: 4791557

Level: (low/med) LOW

Date Received: 06/10/2006

% Solids: 0

Concentration Units (**ug/L** or **mg/kg** dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-92-1	Lead	6.9	U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

_____

_____

_____

_____

QUALITY ASSURANCE SUMMARY

INORGANIC ANALYSIS DATA SHEET
FORM 1

CLIENT SAMPLE NO.

OR2--

Lab Name: LANCASTER_LABORATORIES

SDG No.: CBN23

Matrix: (soil/water) WATER

Lab Sample ID: 4791568

Level: (low/med) LOW

Date Received: 06/10/2006

% Solids: 0

Concentration Units (**ug/L** or **mg/kg** dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-92-1	Lead	6.9	U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

_____

_____

_____

_____

QUALITY ASSURANCE SUMMARY

INORGANIC ANALYSIS DATA SHEET
FORM 1

CLIENT SAMPLE NO.

OR3--

Lab Name: LANCASTER_LABORATORIES

SDG No.: CBN23

Matrix: (soil/water) WATER

Lab Sample ID: 4791570

Level: (low/med) LOW

Date Received: 06/10/2006

% Solids: 0

Concentration Units (**ug/L** or **mg/kg** dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-92-1	Lead	6.9	U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

_____

_____

_____

_____

QUALITY ASSURANCE SUMMARY

INORGANIC ANALYSIS DATA SHEET
FORM 1

CLIENT SAMPLE NO.

OS2--

Lab Name: LANCASTER_LABORATORIES

SDG No.: CBN23

Matrix: (soil/water) WATER

Lab Sample ID: 4791563

Level: (low/med) LOW

Date Received: 06/10/2006

% Solids: 0

Concentration Units (**ug/L** or **mg/kg** dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-92-1	Lead	6.9	U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

_____

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QUALITY ASSURANCE SUMMARY

INORGANIC ANALYSIS DATA SHEET
FORM 1

CLIENT SAMPLE NO.

OS2--D

Lab Name: LANCASTER_LABORATORIES

SDG No.: CBN23

Matrix: (soil/water) WATER

Lab Sample ID: 4791566

Level: (low/med) LOW

Date Received: 06/10/2006

% Solids: 0

Concentration Units (**ug/L** or **mg/kg** dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-92-1	Lead	6.9	U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

_____

_____

_____

_____

QUALITY ASSURANCE SUMMARY

INORGANIC ANALYSIS DATA SHEET
FORM 1

CLIENT SAMPLE NO.

OS2--M

Lab Name: LANCASTER_LABORATORIES

SDG No.: CBN23

Matrix: (soil/water) WATER

Lab Sample ID: 4791565

Level: (low/med) LOW

Date Received: 06/10/2006

% Solids: 0

Concentration Units (**ug/L** or **mg/kg** dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-92-1	Lead	126			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

_____

_____

_____

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QUALITY ASSURANCE SUMMARY

INORGANIC ANALYSIS DATA SHEET
FORM 1

CLIENT SAMPLE NO.

OS2--S

Lab Name: LANCASTER_LABORATORIES

SDG No.: CBN23

Matrix: (soil/water) WATER

Lab Sample ID: 4791564

Level: (low/med) LOW

Date Received: 06/10/2006

% Solids: 0

Concentration Units (**ug/L** or **mg/kg** dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-92-1	Lead	132			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

_____

_____

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QUALITY ASSURANCE SUMMARY

INORGANIC ANALYSIS DATA SHEET
FORM 1

CLIENT SAMPLE NO.

OS3--

Lab Name: LANCASTER_LABORATORIES

SDG No.: CBN23

Matrix: (soil/water) WATER

Lab Sample ID: 4791569

Level: (low/med) LOW

Date Received: 06/10/2006

% Solids: 0

Concentration Units (**ug/L** or **mg/kg** dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7439-92-1	Lead	6.9	U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

_____

_____

_____

_____

Quality Control Data

QUALITY ASSURANCE SUMMARY

FORM 2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: LANCASTER_LABORATORIES

SDG No.: CBN23

Initial Calibration Source: LLI

Continuing Calibration Source: LLI

Concentration Units: UG/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(2)	True	Found	%R(
Lead	600.0	585.57	97.6	500.0	497.42	99.5	500.0	492.91	98

(1) Control Limit: 90-110
(2) Control Limit: 90-110

QUALITY ASSURANCE SUMMARY

FORM 2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: LANCASTER_LABORATORIES

SDG No.: CBN23

Initial Calibration Source: LLI

Continuing Calibration Source: LLI

Concentration Units: UG/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(2)	True	Found	%R(2)
Lead				500.0	495.48	99.1	500.0	497.00	99.

(1) Control Limit: 90-110
(2) Control Limit: 90-110

QUALITY ASSURANCE SUMMARY

FORM 2B

LOW LEVEL CHECK STANDARD FOR AA AND ICP

Lab Name: LANCASTER_LABORATORIES

SDG No.: CBN23

AA CRDL Standard Source: LLI

ICP CRDL Standard Source: LLI

Concentration Units: UG/L

Analyte	AA			ICP				
	True	Found	%R	Initial True	Initial Found	Initial %R	Final Found	Final %R
Lead				15.0	15.38	102.5	15.06	100.4

Control limits apply to values up to 10 times the true value of the low level check standard. Mercury, GFAA and ICP-MS: 50 - 150%. ICP: See statistical windows form.

Statistical Windows for Low Level Check

Element	True Value Ug/L	Statistical Window (%)
Aluminum	200	0 - 200
Antimony	20	25 - 175
Arsenic	10	0 - 200
Barium	5	75 - 125
Beryllium	5	50 - 150
Boron	50	50 - 150
Cadmium	5	75 - 125
Calcium	200	0 - 200
Chromium	5	25 - 175
Cobalt	5	25 - 175
Copper	10	25 - 175
Iron	200	25 - 175
Lead	20	50 - 150
Magnesium	100	0 - 200
Manganese	5	50 - 150
Molybdenum	10	25 - 175
Nickel	10	50 - 150
Potassium	500	75 - 125
Selenium	10	0 - 200
Silver	5	50 - 150
Sodium	1000	25 - 175
Strontium	5	75 - 125
Thallium	20	0 - 200 *
Tin	20	25 - 175
Titanium	10	50 - 150
Vanadium	5	50 - 150
Zinc	20	75 - 125

Effective: 03/08/2005

* Effective date 04/11/2005

QUALITY ASSURANCE SUMMARY

FORM 3

BLANKS

Lab Name: LANCASTER_LABORATORIES

SDG No.: CBN23

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/kg): UG/L

Analyte		Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank				
	Mass		C	1	C	2	C	3	C	Mass		C	Sample ID	M
Lead		2.2	U	2.2	U	2.2	U	2.2	U		6.900	U	P17348AB	P

QUALITY ASSURANCE SUMMARY

FORM 3

BLANKS

Lab Name: LANCASTER_LABORATORIES

SDG No.: CBN23

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte		Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank				
	Mass		C	1	C	2	C	3	C	Mass		C	Sample ID	M
Lead				2.2	U									P

05-11

QUALITY ASSURANCE SUMMARY

FORM 4A

ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: LANCASTER_LABORATORIES

SDG No.: CBN23

ICP-AES Instrument ID: 06383 ICS Source: LLI

Concentration Units: UG/L

	True		Initial Found				Final Found			
Analyte	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Sol. A	%R	Sol. AB	%R
Aluminum	500000	500000	498730	99.7	496437.7	99.3	497710	99.5	489879.5	98.0
Calcium	500000	500000	484670	96.9	479308.3	95.9	470907	94.2	461511.4	92.3
Iron	200000	200000	187935	94.0	186881.0	93.4	186054	93.0	183843.5	91.9
Lead	0	50	2		54.2	108.4	5		51.8	103.6
Magnesium	500000	500000	528301	105.7	524756.8	105.0	522825	104.6	517647.5	103.5

Control Limits: All Metals 80%-120%

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QUALITY ASSURANCE SUMMARY

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Lab Name: LANCASTER_LABORATORIES

CLIENT SAMPLE NO.

OS2--S

SDG No.: CBN23

Matrix (Soil/Water): WATER

% Solids for sample: 0.0

Concentration Units (ug/l or mg/kg dry weight): UG/L

Level (low/med): LOW

Batch Id(s): P17348A

Analyte	M	Sample Result	C	MS Sample Result	C	MSD Sample Result	C	MS Spike Added	MSD Spike Added	MS %R	Q	MSD %R	Q	Control Limit %R	RPD	Q	Ctl Lim RPD
Lead	P	6.9000	U	131.8300		125.7300		120.0000	120.0000	110		105		75 - 125	5		20

QUALITY ASSURANCE SUMMARY

Form 6

DUPLICATES

CLIENT SAMPLE No.

OS2--D

Lab Name: LANCASTER_LABORATORIES

SDG No.: CBN23

Matrix (soil/water): WATER

Level (low/med): LOW

% Solids for Sample: 0.0

% Solids of Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

Batch ID(s): P17348A

Analyte	Control Limit	Samples (S)	C	Duplicate (D)	C	RPD	Q	M
Lead		6.9000	U	6.9000	U			P

NOTE: An asterisk (*) in column "Q" indicates poor duplicate precision (RPD > 20% OR |(S) - (D)| > LOQ for values < 5x LOQ).
The data are considered to be valid because the laboratory control sample is within the control limits. See the Laboratory Control Sample page of the Quality Assurance Summary.

QUALITY ASSURANCE SUMMARY

FORM 7

LABORATORY CONTROL SAMPLE

Lab Name: LANCASTER_LABORATORIES

SDG No.: CBN23

Solid LCS Source: _____

Aqueous LCS Source: LLI

Analyte	Sample ID	Aqueous (ug/L) True	Found	%R(1)	Solid (mg/kg) True	Found	C	Limit		%R
Lead	P17348AQ	120.0	124.72	104						

(1) Control Limits: Statistically determined

Statistical Windows: Waters LCS/LCSD

SW846 ICP

Element	True value mg/L	Statistical Window
AL	2	90-112
SB	0.5	80-120
AS	2	80-120
BA	2	90-110
BE	0.05	90-111
B	2	90-110
CD	0.05	90-112
CA	4	90-112
CR	0.2	90-110
CO	0.5	90-110
CU	0.25	90-112
FE	1	90-112
PB	0.5	90-113
MG	2	89-110
MN	0.5	90-110
MO	2	90-110
NI	0.5	90-111
K	4	88-119
SE	2	80-120
AG	0.05	90-117
NA	4	80-120
SR	1	90-110
TL	2	80-120
SN	4	80-120
TI	1	90-113
V	0.5	90-110
ZN	0.5	90-111

SW846 GFAA

Element	True value mg/L	Statistical Window
SB	50	80-120
AS	40	80-120
BE	2.5	86.6-112.2
CD	2.5	84.2-110.9
CR	10	80-111
CU	20	87-110
PB	20	80-120
NI	20	81-115
SE	10	80-120
AG	2.5	85-116
TL	50	80-120

3/31/05

SW846 Mercury

Element	True value mg/L	Statistical Window
HG	1	80-120

Effective Date for ICP: 03/21/2006

Effective Date for GFAA and Mercury: 03/24/2006

QUALITY ASSURANCE SUMMARY

FORM 9

SERIAL DILUTIONS

CLIENT SAMPLE No.

OS2-- L

Lab Name: LANCASTER_LABORATORIES

SDG No.: CBN23

Matrix (soil/water): WATER

Level (low/med): LOW

Concentration Units: UG/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Lead	6.9000	U	34.5000	U			P

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.

Verification of Instrument Parameters

QUALITY ASSURANCE SUMMARY

FORM 10

INSTRUMENT DETECTION LIMITS (BIANNUALLY)

Lab Name: LANCASTER_LABORATORIES

SDG No.: CBN23

ICP Instrument ID: 06383 Date: 04/2006

Flame Instrument ID: _____

Furnace Instrument ID: _____

Method: P

Analyte	Wavelength (nm)	Back-ground	IDL (ug/L)
Lead	220.35		2.2

Comments:

_____

_____

_____

_____

QUALITY ASSURANCE SUMMARY

FORM 10 MDL

METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: LANCASTER_LABORATORIES

SDG No.: CBN23

Method: P

Date: 05/2006

Matrix (soil/water): WATER

Analyte	Wavelength (nm)	Background	LOQ (ug/L)	MDL (ug/L)
Lead	220.35		20.0	6.9

** The LOQ must be adjusted for % Solids and Sample Weight for samples reporting in mg/kg and ug.

Comments:

QUALITY ASSURANCE SUMMARY

FORM 11

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: LANCASTER_LABORATORIES

SDG No. : CBN23

ICP Instrument ID: 06383 Date: 05/2006

Analyte	Wave-length (nm)	Interelement Correction Factor for: AL	CA	FE	MG	CO
Lead1	220.35	0.0005645	0.0000000	0.0000920	-0.0000003	-0.0005930
Lead2	220.35	-0.0002726	0.0000000	0.0000464	-0.0000021	0.0000440

Comments:

QUALITY ASSURANCE SUMMARY

FORM 11

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: LANCASTER_LABORATORIES

SDG No. : CBN23

ICP Instrument ID: 06383 Date: 05/2006

Analyte	Wave-length (nm)	Interelement Correction Factor for: MO	NI	TI	V	--
Lead1	220.35	-0.0020790	0.0000170	0.0000530	-0.0000900	
Lead2	220.35	-0.0007700	0.0000520	-0.0004500	-0.0001500	

Comments:

QUALITY ASSURANCE SUMMARY

FORM 12

LINEAR RANGES

Lab Name: LANCASTER_LABORATORIES

SDG No.: CBN23

ICP Instrument ID: 06383 Date: 04/2006

Method: P

Analyte	Wavelength (nm)	Integration Time (Sec.)	Concentration (ug/L)
Lead	220.35	10.00	70000.0

Comments:

Preparation and Run Logs

QUALITY ASSURANCE SUMMARY

FORM 13

PREPARATION LOG

Lab Name: LANCASTER_LABORATORIES___

SDG No.: CBN23_

Method: P_

Batch ID: P17348A

EPA Sample No.	Preparation Date	Weight (gram)	Volume (ml)
-DC1-	06/22/2006		50
-DC2-	06/22/2006		50
-TF5-	06/22/2006		50
DB108	06/22/2006		50
DB17-	06/22/2006		50
DB8B-	06/22/2006		50
MTF23	06/22/2006		50
OR2--	06/22/2006		50
OR3--	06/22/2006		50
OS3--	06/22/2006		50
OS2--	06/22/2006		50
OS2--D	06/22/2006		50
OS2--M	06/22/2006		50
OS2--S	06/22/2006		50
P17348AB	06/22/2006		50
P17348AQ	06/22/2006		50

QUALITY ASSURANCE SUMMARY

FORM 14

ANALYSIS RUN LOG

Lab Name: LANCASTER_LABORATORIES

SDG No.: CBN23

Instrument ID Number: 06383 Method: P

Start Date: 06/22/2006 End Date: 06/22/2006

EPA Sample No.	D/F	Time	% R	Analytes
				PB
S0	1.00	1521		X
S	1.00	1526		
S	1.00	1530		X
S	1.00	1535		
ICV	1.00	1541		X
ICB	1.00	1545		X
LLC	1.00	1550		X
ICSA	1.00	1555		X
ICSAB	1.00	1559		X
CCV	1.00	1604		X
CCB	1.00	1609		X
P17348AB	1.00	1614		X
P17348AQ	1.00	1618		X
OS2--	1.00	1623		X
OS2--A	1.00	1628		
OS2--D	1.00	1632		X
OS2--S	1.00	1637		X
OS2--M	1.00	1642		X
OS2--L	5.00	1647		X
-TF5-	1.00	1651		X
MTF23	1.00	1656		X
CCV	1.00	1701		X
CCB	1.00	1705		X
-DC2-	1.00	1710		X
-DC1-	1.00	1715		X
DB8B-	1.00	1720		X
DB108	1.00	1724		X
DB17-	1.00	1729		X
OR2--	1.00	1734		X
OS3--	1.00	1739		X
OR3--	1.00	1743		X
ZZZZZZ	1.00	1748		

QUALITY ASSURANCE SUMMARY

FORM 14

ANALYSIS RUN LOG

Lab Name: LANCASTER_LABORATORIES

SDG No.: CBN23

Instrument ID Number: 06383 Method: P

Start Date: 06/22/2006 End Date: 06/22/2006

EPA Sample No.	D/F	Time	% R	Analytes
				PB
ZZZZZZ	1.00	1753		
CCV	1.00	1758		X
CCB	1.00	1802		X
ZZZZZZ	1.00	1807		
ZZZZZZ	1.00	1812		
ZZZZZZ	1.00	1817		
ZZZZZZ	1.00	1821		
ZZZZZZ	1.00	1826		
ZZZZZZ	1.00	1831		
LLC	1.00	1835		X
ICSA	1.00	1840		X
ICSAB	1.00	1845		X
CCV	1.00	1850		X
CCB	1.00	1854		X

Raw Data

ICP Data

Lancaster Laboratories

ICP-AES Run Data Report

Data Reviewed By: JPH 1496 6/22/06

Data Verified By: Dave Ouel 1211 6-23-06

Data File Name 0617305T63.DAT
Run Name: 0617305T63

Method Reference Name(s):
SW-846 6010B

Analyst Employee: 1496

Instrument Parameters:

Rinse Time:	90.00 sec
Individual Integration Time:	10.00 sec
Total Integration Time:	30.00 sec

ELEMENT NAME	ANALYTE NAME	WAVE LENGTH VALUE
AG	Silver	328.06
AL	Aluminum	308.21
AS	Arsenic	189.04
B	Boron	249.67
BA	Barium	493.4
BE	Beryllium	313.04
CA	Calcium	317.93
CD	Cadmium	226.5
CO	Cobalt	228.61
CR	Chromium	267.71
CU	Copper	324.75
FE	Iron	259.94
K	Potassium	766.49
MG	Magnesium	279.07
MN	Manganese	257.61
MO	Molybdenum	202.03
NA	Sodium	330.23
NI	Nickel	231.6
PB	Lead	220.35/1
PB	Lead	220.35/2
SB	Antimony	206.83
SE	Selenium	196.02/1
SE	Selenium	196.02/2
SN	Tin	189.98
SR	Strontium	421.55
TI	Titanium	334.94
TL	Thallium	190.86
V	Vanadium	292.4
Y	Yttrium	371.03
ZN	Zinc	206.2

The 61E TRACE ICP uses a Crawford-Kunselman Noise Reduction Technique for lead and selenium. This requires the utilization of the first and second order wavelengths in the calculation of each of these metals determinations.

The 61E TRACE ICP also utilizes Yttrium as an internal standard to compensate for fluctuations in nebulization and plasma conditions. All Yttrium readings are expressed in counts. 0536

LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 1 Date/Time: 06/22/2006 15:21

Sample Number: **S0**

ELEMENT	CONC (ppm)	AVERAGE INTENSITY	% RSD	INTEGRATIONS #1	#2	#3
AG	0.000	-0.00300	0.931	-0.00303	-0.00300	-0.00298
AL	0.000	0.00334	0.248	0.00334	0.00335	0.00333
AS	0.000	-0.00009	20.828	-0.00007	-0.00011	-0.00009
B	0.000	0.00041	6.058	0.00041	0.00038	0.00043
BA	0.000	0.00039	2.065	0.00039	0.00039	0.00038
BE	0.000	-0.00075	0.901	-0.00076	-0.00074	-0.00075
CA	0.000	-0.00212	0.269	-0.00213	-0.00212	-0.00212
CD	0.000	0.00025	33.699	0.00022	0.00018	0.00034
CO	0.000	-0.00003	51.610	-0.00003	-0.00004	-0.00001
CR	0.000	0.00004	22.455	0.00005	0.00004	0.00003
CU	0.000	-0.00054	4.849	-0.00057	-0.00053	-0.00052
FE	0.000	0.00219	0.493	0.00219	0.00221	0.00219
K	0.000	0.00968	1.057	0.00957	0.00977	0.00969
MG	0.000	0.00033	3.105	0.00034	0.00032	0.00032
MN	0.000	0.00003	8.862	0.00002	0.00002	0.00003
MO	0.000	0.00000	628.890	-0.00001	0.00001	0.00000
NA	0.000	0.00020	27.693	0.00016	0.00018	0.00027
NI	0.000	-0.00001	800.509	0.00004	-0.00005	-0.00001
PB	0.000	10.00000	0.000	10.00000	10.00000	10.00000
SB	0.000	0.00025	41.560	0.00035	0.00015	0.00023
SE	0.000	10.00000	0.000	10.00000	10.00000	10.00000
SN	0.000	0.00002	355.859	-0.00004	0.00010	0.00000
SR	0.000	0.00039	2.477	0.00039	0.00038	0.00040
TI	0.000	-0.00023	16.578	-0.00019	-0.00024	-0.00026
TL	0.000	-0.00001	418.583	0.00002	0.00000	-0.00005
V	0.000	0.00001	86.603	0.00000	0.00002	0.00002
Y	N/A	243585.66667	0.254	243062.00000	243425.00000	244270.00000
ZN	0.000	0.00002	106.013	0.00005	0.00000	0.00001

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LANCASTER LABORATORIES

Run Name: 0617305T63

Instrument ID: 06383

Tube: 2

Date/Time: 06/22/2006 15:26

Sample Number: **S1** S

ELEMENT	CONC (ppm)	AVERAGE INTENSITY	% RSD	INTEGRATIONS #1	#2	#3
AL	50.000	0.61934	0.270	0.62035	0.62026	0.61740
CA	50.000	1.05780	0.151	1.05921	1.05812	1.05607
FE	50.000	6.69842	0.250	6.71201	6.70359	6.67968
K	50.000	7.14137	0.316	7.15996	7.14786	7.11631
MG	50.000	0.69664	0.273	0.69828	0.69709	0.69455
NA	50.000	0.09276	0.177	0.09293	0.09272	0.09261
Y	N/A	239585.66667	0.227	238997.00000	239688.00000	240072.00000

6532

LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 3 Date/Time: 06/22/2006 15:30

Sample Number: **S2** 5

ELEMENT	CONC (ppm)	AVERAGE INTENSITY	% RSD	INTEGRATIONS #1	#2	#3
AG	1.000	0.24792	0.175	0.24841	0.24759	0.24777
AS	1.000	0.03634	0.445	0.03621	0.03628	0.03652
B	1.000	0.13513	0.319	0.13531	0.13463	0.13544
BA	1.000	0.26241	0.216	0.26300	0.26187	0.26237
BE	1.000	0.34308	0.195	0.34381	0.34249	0.34296
CD	1.000	0.50983	0.196	0.51099	0.50920	0.50932
CO	1.000	0.06521	0.173	0.06524	0.06508	0.06530
CU	1.000	0.10919	0.164	0.10938	0.10903	0.10915
MN	1.000	0.18749	0.174	0.18784	0.18719	0.18745
NI	1.000	0.20664	0.193	0.20706	0.20627	0.20660
PB	1.000	8.33333	6.928	8.00000	9.00000	8.00000
SE	1.000	10.00000	0.000	10.00000	10.00000	10.00000
SR	1.000	0.54631	0.202	0.54742	0.54521	0.54630
TL	1.000	0.01538	0.740	0.01544	0.01545	0.01525
Y	N/A	243043.66667	0.207	242463.00000	243371.00000	243297.00000
ZN	1.000	0.02552	0.134	0.02556	0.02550	0.02552

0533

LANCASTER LABORATORIES

Run Name: 0617305T63

Instrument ID: 06383

Tube: 4

Date/Time: 06/22/2006 15:35

Sample Number: **S3** S

ELEMENT	CONC (ppm)	AVERAGE INTENSITY	% RSD	INTEGRATIONS #1	#2	#3
CR	1.000	0.10783	0.449	0.10837	0.10744	0.10769
MO	1.000	0.04018	2.835	0.03891	0.04051	0.04111
SB	1.000	0.08420	0.496	0.08424	0.08376	0.08459
SN	1.000	0.02915	0.750	0.02922	0.02890	0.02933
TI	1.000	0.57637	0.472	0.57923	0.57382	0.57605
V	1.000	0.02604	0.521	0.02619	0.02592	0.02601
Y	N/A	242515.66667	0.433	241432.00000	243527.00000	242588.00000

8534

LANCASTER LABORATORIES

Run Name: 0617305T63

Instrument ID: 06383

Tube: 5

Date/Time: 06/22/2006 15:41

Sample Number: **ICV**

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	0.59036	1.098	0.59034	0.58389	0.59685	
AL	29.52717	1.241	29.52310	29.16282	29.89559	
AS	0.58734	1.102	0.59149	0.57988	0.59065	
B	0.60688	1.265	0.60672	0.59929	0.61464	
BA	0.58810	1.188	0.58810	0.58110	0.59508	
BE	0.59838	1.240	0.59790	0.59122	0.60603	
CA	29.96780	1.248	29.93987	29.60854	30.35499	
CD	0.58428	1.274	0.58457	0.57669	0.59158	
CO	0.58220	1.315	0.58156	0.57488	0.59015	
CR	0.58983	1.316	0.58944	0.58227	0.59778	
CU	0.59411	1.223	0.59417	0.58681	0.60134	
FE	29.93342	1.304	29.91494	29.55262	30.33269	
K	31.17554	0.980	31.20999	30.85441	31.46222	
MG	29.22983	1.269	29.21584	28.86620	29.60745	
MN	0.58866	1.279	0.58846	0.58124	0.59629	
MO	0.60463	2.992	0.58825	0.60160	0.62405	
NA	29.02994	1.198	29.00085	28.69777	29.39121	
NI	0.58450	0.977	0.58518	0.57849	0.58985	
PB	0.58557	0.899	0.58436	0.58101	0.59133	
SB	0.59984	0.764	0.59919	0.59563	0.60472	
SE	0.58851	1.236	0.58458	0.58406	0.59691	
SN	0.58665	1.592	0.58524	0.57811	0.59662	
SR	0.59657	1.215	0.59633	0.58944	0.60393	
TI	0.59608	1.241	0.59545	0.58901	0.60376	
TL	0.57214	2.954	0.55952	0.56555	0.59135	
V	0.58655	1.138	0.58644	0.57993	0.59328	
Y	241304.66667	1.071	241042.00000	244010.00000	238862.00000	
ZN	0.58161	1.235	0.58144	0.57451	0.58888	

6535

LANCASTER LABORATORIES

Run Name: 0617305T63

Instrument ID: 06383

Tube: 6

Date/Time: 06/22/2006 15:45

Sample Number: **ICB**

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	-0.00034	6.242	-0.00036	-0.00032	-0.00035	
AL	-0.01911	6.654	-0.01775	-0.02028	-0.01928	
AS	0.00260	92.063	-0.00012	0.00351	0.00440	
B	0.00001	299.405	0.00056	-0.00086	0.00032	
BA	-0.00007	40.931	-0.00004	-0.00007	-0.00009	
BE	-0.00002	139.306	-0.00004	0.00001	-0.00002	
CA	-0.01174	8.485	-0.01124	-0.01289	-0.01109	
CD	-0.00030	51.739	-0.00045	-0.00029	-0.00015	
CO	-0.00019	304.027	-0.00082	-0.00006	0.00032	
CR	-0.00006	308.344	-0.00019	0.00016	-0.00015	
CU	0.00018	83.597	0.00001	0.00027	0.00026	
FE	-0.02747	5.364	-0.02589	-0.02772	-0.02881	
K	-0.00319	60.113	-0.00169	-0.00252	-0.00535	
MG	-0.01437	18.349	-0.01573	-0.01604	-0.01133	
MN	-0.00006	58.296	-0.00003	-0.00005	-0.00009	
MO	0.00411	44.933	0.00614	0.00367	0.00252	
NA	-0.07742	52.289	-0.03186	-0.10925	-0.09116	
NI	0.00001	920.486	0.00039	-0.00027	-0.00008	
PB	-0.00087	111.016	-0.00196	-0.00052	-0.00012	
SB	0.00062	128.801	0.00082	-0.00026	0.00129	
SE	0.00159	296.595	0.00593	0.00225	-0.00342	
SN	0.00122	265.982	-0.00113	-0.00014	0.00494	
SR	-0.00001	86.161	-0.00001	-0.00001	0.00000	
TI	0.00005	111.874	-0.00001	0.00009	0.00006	
TL	-0.00293	212.183	-0.00017	0.00143	-0.01006	
V	-0.00032	158.533	-0.00011	0.00005	-0.00090	
Y	242482.66667	0.262	242032.00000	242206.00000	243210.00000	
ZN	-0.00097	83.471	-0.00016	-0.00178	-0.00097	

#536

LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 7 Date/Time: 06/22/2006 15:50

Sample Number: **LLC**

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	0.00465	6.721	0.00443	0.00452	0.00501	
AL	0.17856	0.581	0.17858	0.17751	0.17958	
AS	0.02268	26.663	0.02848	0.01641	0.02316	
B	0.05276	0.268	0.05260	0.05286	0.05283	
BA	0.00492	0.406	0.00492	0.00490	0.00494	
BE	0.00512	0.787	0.00516	0.00508	0.00511	
CA	0.19029	1.002	0.18861	0.18990	0.19236	
CD	0.00481	1.301	0.00488	0.00481	0.00475	
CO	0.00527	7.096	0.00484	0.00544	0.00553	
CR	0.01522	1.847	0.01515	0.01497	0.01552	
CU	0.01071	0.906	0.01060	0.01075	0.01078	
FE	0.17913	0.108	0.17935	0.17902	0.17901	
K	0.20534	1.333	0.20688	0.20218	0.20696	
MG	0.07947	2.651	0.07914	0.07755	0.08173	
MN	0.00508	0.882	0.00511	0.00503	0.00510	
MO	0.01154	2.427	0.01174	0.01166	0.01122	
NA	0.86602	5.545	0.82765	0.85053	0.91987	
NI	0.01082	3.245	0.01091	0.01111	0.01043	
PB	0.01538	1.577	0.01555	0.01549	0.01510	
SB	0.02124	6.201	0.02132	0.02252	0.01988	
SE	0.02037	2.256	0.02086	0.01996	0.02028	
SN	0.01780	4.734	0.01822	0.01683	0.01835	
SR	0.00512	0.482	0.00514	0.00509	0.00513	
TI	0.01036	0.740	0.01036	0.01028	0.01044	
TL	0.01527	32.045	0.01290	0.01201	0.02089	
V	0.00495	5.228	0.00502	0.00467	0.00517	
Y	243688.33333	0.377	243070.00000	244743.00000	243252.00000	
ZN	0.02473	1.623	0.02468	0.02435	0.02515	

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LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 8 Date/Time: 06/22/2006 15:55

Sample Number: **ICSA**

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	-0.00021	42.338	-0.00019	-0.00030	-0.00013	
AL	498.72951	0.827	498.65396	502.89203	494.64255	
AS	0.00316	116.926	0.00174	0.00039	0.00736	
B	-0.00198	20.735	-0.00245	-0.00177	-0.00171	
BA	-0.00064	5.116	-0.00062	-0.00062	-0.00067	
BE	0.00016	17.388	0.00013	0.00018	0.00017	
CA	484.66982	0.873	484.70236	488.88521	480.42189	
CD	-0.00397	1.956	-0.00400	-0.00403	-0.00388	
CO	0.00320	14.839	0.00361	0.00268	0.00332	
CR	-0.00292	12.638	-0.00298	-0.00325	-0.00252	
CU	0.00273	2.774	0.00274	0.00265	0.00280	
FE	187.93452	0.800	187.79572	189.50169	186.50617	
K	-0.00565	46.234	-0.00489	-0.00855	-0.00350	
MG	528.30115	0.750	527.80324	532.48869	524.61152	
MN	0.00931	0.838	0.00929	0.00939	0.00924	
MO	-0.00055	235.083	0.00040	-0.00201	-0.00003	
NA	-0.17965	12.471	-0.18279	-0.20032	-0.15585	
NI	0.00298	29.925	0.00198	0.00370	0.00325	
PB	0.00248	15.164	0.00286	0.00211	0.00245	
SB	0.00250	64.780	0.00434	0.00131	0.00185	
SE	0.00151	202.785	-0.00202	0.00340	0.00313	
SN	0.00126	273.828	0.00502	0.00051	-0.00175	
SR	0.01547	0.824	0.01547	0.01560	0.01534	
TI	-0.00535	0.128	-0.00535	-0.00535	-0.00534	
TL	-0.00202	376.348	0.00144	0.00323	-0.01072	
V	-0.00324	10.231	-0.00286	-0.00340	-0.00347	
Y	227991.66667	0.691	227855.00000	226489.00000	229631.00000	
ZN	0.00884	7.200	0.00828	0.00953	0.00872	

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LANCASTER LABORATORIES

Run Name: 0617305T63

Tube: 9

Sample Number: **ICSAB**

Instrument ID: 06383

Date/Time: 06/22/2006 15:59

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	0.21087	0.287	0.21125	0.21120	0.21017	
AL	496.43769	0.382	498.17118	496.73267	494.40923	
AS	0.10517	0.587	0.10583	0.10506	0.10462	
B	-0.00441	24.412	-0.00327	-0.00456	-0.00540	
BA	0.51649	0.407	0.51838	0.51686	0.51423	
BE	0.49243	0.310	0.49385	0.49262	0.49081	
CA	479.30826	0.324	480.72139	479.55742	477.64597	
CD	0.94184	0.358	0.94523	0.94179	0.93849	
CO	0.47676	0.223	0.47778	0.47682	0.47566	
CR	0.47920	0.194	0.48018	0.47910	0.47833	
CU	0.53105	0.430	0.53303	0.53156	0.52855	
FE	186.88097	0.383	187.46192	187.09969	186.08131	
K	-0.00738	47.518	-0.00479	-0.01137	-0.00598	
MG	524.75682	0.306	526.25355	524.95603	523.06090	
MN	0.50049	0.277	0.50161	0.50093	0.49894	
MO	-0.00228	46.914	-0.00291	-0.00105	-0.00289	
NA	-0.16530	17.461	-0.15248	-0.19835	-0.14506	
NI	0.93699	0.295	0.93957	0.93732	0.93407	
PB	0.05422	2.550	0.05355	0.05581	0.05329	
SB	0.62330	0.971	0.62569	0.62779	0.61641	
SE	0.05430	4.249	0.05664	0.05423	0.05203	
SN	0.00556	89.151	0.00005	0.00697	0.00965	
SR	0.01541	0.432	0.01546	0.01543	0.01533	
TI	-0.00542	0.759	-0.00546	-0.00538	-0.00543	
TL	0.08717	2.687	0.08833	0.08447	0.08871	
V	0.48684	0.346	0.48863	0.48659	0.48529	
Y	228186.33333	0.247	227684.00000	228079.00000	228796.00000	
ZN	0.92606	0.227	0.92799	0.92639	0.92382	

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LANCASTER LABORATORIES

Run Name: 0617305T63

Instrument ID: 06383

Tube: 10

Date/Time: 06/22/2006 16:04

Sample Number: **CCV**

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	0.49514	0.078	0.49558	0.49486	0.49498	
AL	24.43342	0.209	24.49201	24.40987	24.39838	
AS	0.49537	0.286	0.49473	0.49699	0.49438	
B	0.50892	0.228	0.50922	0.50764	0.50990	
BA	0.49279	0.258	0.49426	0.49213	0.49199	
BE	0.50551	0.220	0.50671	0.50529	0.50452	
CA	24.62212	0.128	24.65810	24.60948	24.59879	
CD	0.49507	0.255	0.49638	0.49499	0.49386	
CO	0.49019	0.178	0.49110	0.49009	0.48937	
CR	0.49365	0.259	0.49483	0.49382	0.49229	
CU	0.49742	0.192	0.49852	0.49694	0.49680	
FE	25.13745	0.220	25.19663	25.12837	25.08735	
K	25.81936	0.306	25.91057	25.77638	25.77112	
MG	24.38452	0.293	24.46661	24.35114	24.33582	
MN	0.49541	0.228	0.49667	0.49509	0.49447	
MO	0.50508	1.784	0.49480	0.51160	0.50885	
NA	23.82789	0.261	23.85635	23.87079	23.75652	
NI	0.49571	0.335	0.49763	0.49466	0.49485	
PB	0.49742	0.021	0.49743	0.49751	0.49730	
SB	0.50250	0.217	0.50157	0.50222	0.50370	
SE	0.49957	0.473	0.49689	0.50137	0.50044	
SN	0.49510	0.486	0.49720	0.49563	0.49248	
SR	0.50321	0.252	0.50466	0.50264	0.50232	
TI	0.50000	0.185	0.50107	0.49946	0.49946	
TL	0.48330	1.173	0.48011	0.48985	0.47995	
V	0.49466	0.245	0.49605	0.49413	0.49380	
Y	243340.66667	0.131	243051.00000	243682.00000	243289.00000	
ZN	0.49451	0.339	0.49548	0.49547	0.49257	

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LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 11 Date/Time: 06/22/2006 16:09

Sample Number: **CCB**

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	-0.00035	64.780	-0.00061	-0.00028	-0.00017	
AL	-0.01613	1.073	-0.01604	-0.01603	-0.01633	
AS	0.00135	167.358	-0.00057	0.00079	0.00384	
B	-0.00124	37.427	-0.00080	-0.00120	-0.00172	
BA	-0.00006	24.760	-0.00007	-0.00007	-0.00004	
BE	-0.00002	191.551	0.00001	-0.00005	-0.00001	
CA	-0.01169	19.363	-0.01417	-0.01116	-0.00974	
CD	-0.00026	31.071	-0.00030	-0.00032	-0.00017	
CO	-0.00013	276.988	-0.00051	0.00019	-0.00006	
CR	-0.00001	285.286	-0.00007	0.00015	-0.00011	
CU	0.00008	304.638	-0.00018	0.00009	0.00033	
FE	-0.02557	5.498	-0.02427	-0.02537	-0.02706	
K	-0.00237	74.319	-0.00048	-0.00265	-0.00398	
MG	-0.01417	12.586	-0.01604	-0.01249	-0.01399	
MN	-0.00003	131.170	-0.00005	-0.00005	0.00001	
MO	0.00140	69.946	0.00253	0.00079	0.00089	
NA	-0.15931	24.737	-0.18443	-0.11389	-0.17962	
NI	0.00032	72.986	0.00006	0.00039	0.00052	
PB	0.00085	80.707	0.00064	0.00162	0.00029	
SB	0.00094	183.350	-0.00095	0.00135	0.00242	
SE	-0.00188	188.771	-0.00008	-0.00596	0.00041	
SN	0.00024	838.779	-0.00085	0.00255	-0.00099	
SR	-0.00001	124.936	-0.00001	0.00000	-0.00002	
TI	-0.00008	96.585	-0.00016	-0.00009	0.00000	
TL	-0.00135	237.460	-0.00500	0.00008	0.00089	
V	-0.00027	58.906	-0.00043	-0.00011	-0.00027	
Y	242744.66667	0.193	242336.00000	242643.00000	243255.00000	
ZN	-0.00043	78.267	-0.00081	-0.00016	-0.00032	

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LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 12 Date/Time: 06/22/2006 16:14

Sample Number: **PBW** Class: **** Batch: 061731848001

Initial Vol: 50.00 P13348AB Final Vol: 50.00 DF: 1.00 Protocol Symbol: S

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	-0.00014	143.218	-0.00036	0.00004	-0.00011	
AL	-0.02426	3.838	-0.02352	-0.02396	-0.02531	
AS	0.00312	22.820	0.00271	0.00270	0.00394	
B	-0.00141	15.417	-0.00144	-0.00118	-0.00161	
BA	-0.00007	39.265	-0.00010	-0.00005	-0.00007	
BE	-0.00002	72.678	-0.00004	0.00000	-0.00003	
CA	-0.01319	2.389	-0.01355	-0.01304	-0.01297	
CD	-0.00037	41.599	-0.00047	-0.00019	-0.00046	
CO	0.00025	132.969	-0.00013	0.00050	0.00038	
CR	0.00001	626.840	0.00004	0.00008	-0.00008	
CU	0.00005	285.951	0.00005	0.00019	-0.00009	
FE	-0.03318	0.333	-0.03318	-0.03307	-0.03329	
K	0.00265	95.379	0.00462	0.00354	-0.00020	
MG	-0.02012	11.427	-0.02080	-0.01756	-0.02200	
MN	-0.00005	42.468	-0.00005	-0.00007	-0.00003	
MO	-0.00061	158.206	0.00048	-0.00136	-0.00095	
NA	-0.09490	61.011	-0.03889	-0.09129	-0.15451	
NI	0.00020	40.470	0.00024	0.00011	0.00024	
PB	-0.00033	70.118	-0.00054	-0.00008	-0.00036	
SB	0.00152	103.153	0.00298	0.00173	-0.00014	
SE	0.00064	421.574	-0.00217	0.00317	0.00090	
SN	-0.00184	101.502	-0.00255	-0.00324	0.00028	
SR	-0.00002	31.823	-0.00001	-0.00002	-0.00003	
TI	-0.00012	95.916	-0.00025	-0.00006	-0.00005	
TL	-0.00251	71.356	-0.00447	-0.00206	-0.00098	
V	-0.00006	146.260	-0.00011	-0.00011	0.00004	
Y	243504.33333	0.430	242441.00000	243538.00000	244534.00000	
ZN	0.00091	20.412	0.00081	0.00113	0.00080	

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LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 13 Date/Time: 06/22/2006 16:18

Sample Number: **LCSW** Class: **** Batch: 061731848001

Initial Vol: 1.00 PM348AQ Final Vol: 1.00 DF: 1.00 Protocol Symbol: S

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	0.04965	0.133	0.04968	0.04970	0.04958	
AL	1.96625	0.715	1.96157	1.98205	1.95512	
AS	0.14845	1.772	0.15145	0.14740	0.14652	
B	1.99509	0.594	1.98626	2.00857	1.99045	
BA	1.99944	0.646	1.99494	2.01401	1.98937	
BE	0.05091	0.669	0.05074	0.05130	0.05068	
CA	4.06011	0.586	4.04731	4.08756	4.04545	
CD	0.05079	0.801	0.05061	0.05125	0.05050	
CO	0.49937	0.591	0.49841	0.50268	0.49701	
CR	0.19886	0.725	0.19828	0.20050	0.19780	
CU	0.25386	0.594	0.25292	0.25560	0.25306	
FE	0.99604	0.645	0.99316	1.00340	0.99156	
K	4.08372	0.508	4.07976	4.10617	4.06523	
MG	1.93159	0.637	1.92735	1.94546	1.92196	
MN	0.50146	0.614	0.50014	0.50498	0.49925	
MO	2.01684	3.448	1.93677	2.05170	2.06205	
NA	3.67055	1.190	3.68461	3.62159	3.70546	
NI	0.50124	0.441	0.50128	0.50343	0.49902	
PB	0.12472	0.835	0.12357	0.12560	0.12498	
SB	0.50452	0.255	0.50390	0.50600	0.50365	
SE	0.11064	2.966	0.11437	0.10936	0.10820	
SN	3.99425	0.634	3.98616	4.02265	3.97396	
SR	1.01079	0.644	1.00835	1.01817	1.00587	
TI	1.02041	0.667	1.01735	1.02820	1.01567	
TL	0.14809	2.962	0.15169	0.14937	0.14320	
V	0.50168	0.631	0.50028	0.50531	0.49946	
Y	242020.33333	0.492	242234.00000	240737.00000	243090.00000	
ZN	0.50231	0.860	0.50097	0.50714	0.49882	

8543

LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 14 Date/Time: 06/22/2006 16:23

Sample Number: **4791563** Class: U*** Batch: 061731848001

Initial Vol: 50.00 052-- Final Vol: 50.00 DF: 1.00 Protocol Symbol: S

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	-0.00033	60.558	-0.00011	-0.00037	-0.00050	
AL	0.65602	2.063	0.65091	0.64578	0.67136	
AS	0.00148	163.854	0.00268	-0.00131	0.00308	
B	0.01418	5.624	0.01510	0.01378	0.01367	
BA	0.01727	1.144	0.01718	0.01712	0.01749	
BE	0.00006	101.352	0.00003	0.00002	0.00013	
CA	18.94607	1.263	18.83179	18.78526	19.22116	
CD	0.00044	26.695	0.00049	0.00051	0.00030	
CO	0.00028	227.007	0.00094	-0.00033	0.00023	
CR	0.00083	58.483	0.00125	0.00093	0.00030	
CU	0.00197	8.286	0.00212	0.00179	0.00200	
FE	0.86134	1.450	0.85439	0.85387	0.87576	
K	1.01586	1.280	1.01514	1.00322	1.02921	
MG	5.25664	1.293	5.23294	5.20367	5.33330	
MN	0.03636	1.001	0.03627	0.03605	0.03676	
MO	0.01777	58.756	0.02955	0.01407	0.00968	
NA	81.22529	1.061	80.89926	80.57422	82.20240	
NI	0.00156	58.544	0.00214	0.00203	0.00051	
PB	0.00067	75.763	0.00108	0.00010	0.00084	
SB	0.00056	305.321	-0.00097	0.00239	0.00025	
SE	0.00179	141.375	0.00132	0.00452	-0.00047	
SN	-0.00003	757.530	-0.00085	-0.00028	0.00102	
SR	0.05887	1.061	0.05859	0.05842	0.05958	
TI	0.01130	1.147	0.01142	0.01131	0.01116	
TL	-0.00479	109.426	-0.00087	-0.00276	-0.01075	
V	0.00065	97.409	0.00076	0.00122	-0.00003	
Y	241372.33333	1.112	242287.00000	243479.00000	238351.00000	
ZN	0.02929	0.291	0.02934	0.02920	0.02935	

0544

LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 15 Date/Time: 06/22/2006 16:28

Sample Number: **4791563** Class: UP** Batch: 061731848001

Initial Vol: 50.00 052--A Final Vol: 50.00 DF: 1.00 Protocol Symbol: S

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	0.01976	1.855	0.01940	0.01974	0.02013	
AL	1.64173	0.383	1.63581	1.64106	1.64832	
AS	0.50417	0.990	0.50946	0.49955	0.50351	
B	0.21579	0.181	0.21534	0.21606	0.21596	
BA	0.06667	0.188	0.06655	0.06666	0.06680	
BE	0.02078	0.247	0.02072	0.02080	0.02082	
CA	18.82142	0.287	18.76717	18.82192	18.87517	
CD	0.05121	0.444	0.05095	0.05138	0.05131	
CO	0.10076	0.264	0.10076	0.10049	0.10102	
CR	0.20416	0.319	0.20361	0.20399	0.20488	
CU	0.51925	0.213	0.51813	0.51926	0.52035	
FE	1.32412	0.317	1.32033	1.32339	1.32864	
K	3.11242	0.032	3.11130	3.11283	3.11313	
MG	5.93450	0.231	5.92261	5.93141	5.94947	
MN	0.09543	0.327	0.09522	0.09529	0.09579	
MO	0.21470	1.473	0.21124	0.21744	0.21541	
NA	78.61143	0.240	78.40269	78.66216	78.76945	
NI	0.15329	0.538	0.15337	0.15243	0.15407	
PB	0.50584	0.261	0.50700	0.50440	0.50611	
SB	0.39977	0.370	0.39908	0.39875	0.40146	
SE	0.80514	0.617	0.80348	0.80121	0.81072	
SN	0.60751	0.177	0.60653	0.60866	0.60735	
SR	0.07612	0.275	0.07593	0.07608	0.07634	
TI	0.11194	0.165	0.11210	0.11174	0.11198	
TL	1.02002	0.818	1.01150	1.02039	1.02818	
V	0.10293	0.135	0.10293	0.10307	0.10279	
Y	242805.33333	0.192	243048.00000	243100.00000	242268.00000	
ZN	0.15919	0.400	0.15876	0.15889	0.15992	

8545

LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 16 Date/Time: 06/22/2006 16:32

Sample Number: **4791566** Class: D*** Batch: 061731848001

Initial Vol: 50.00 052--D Final Vol: 50.00 DF: 1.00 Protocol Symbol: S

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	-0.00020	58.673	-0.00007	-0.00029	-0.00024	
AL	0.67478	1.739	0.68754	0.67237	0.66444	
AS	0.00334	87.054	0.00663	0.00112	0.00226	
B	0.01210	2.205	0.01240	0.01189	0.01200	
BA	0.01729	1.107	0.01748	0.01728	0.01710	
BE	0.00000	130.053	-0.00001	0.00002	-0.00002	
CA	18.97300	0.739	19.12435	18.94701	18.84764	
CD	0.00051	4.964	0.00052	0.00048	0.00052	
CO	0.00027	133.280	-0.00003	0.00068	0.00017	
CR	0.00108	32.857	0.00134	0.00068	0.00121	
CU	0.00216	5.707	0.00212	0.00207	0.00230	
FE	0.88817	0.979	0.89771	0.88611	0.88069	
K	1.01515	0.765	1.02370	1.01320	1.00854	
MG	5.25404	0.838	5.30263	5.24261	5.21688	
MN	0.03652	0.788	0.03678	0.03657	0.03621	
MO	0.00162	93.929	0.00246	0.00255	-0.00014	
NA	81.55655	0.577	82.09122	81.37079	81.20764	
NI	0.00174	27.759	0.00229	0.00143	0.00149	
PB	0.00123	43.134	0.00184	0.00092	0.00092	
SB	0.00273	136.366	0.00468	0.00506	-0.00156	
SE	0.00178	84.665	0.00183	0.00327	0.00025	
SN	-0.00170	62.998	-0.00185	-0.00056	-0.00269	
SR	0.05899	0.865	0.05954	0.05888	0.05854	
TI	0.01126	1.874	0.01112	0.01150	0.01115	
TL	-0.00122	210.898	-0.00285	-0.00256	0.00175	
V	0.00099	41.793	0.00142	0.00093	0.00061	
Y	240739.33333	0.618	239075.00000	241199.00000	241944.00000	
ZN	0.02889	1.940	0.02910	0.02932	0.02826	

8546

LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 17 Date/Time: 06/22/2006 16:37

Sample Number: **4791564** Class: R*** Batch: 061731848001

Initial Vol: 50.00 052--S Final Vol: 50.00 DF: 1.00 Protocol Symbol: S

				INTEGRATIONS			Re-read Re-digest
ELEMENT	AVG (ppm)	%RSD	#1	#2	#3		
AG	0.05235	0.418	0.05240	0.05253	0.05211		
AL	2.49104	0.534	2.50167	2.49532	2.47613		
AS	0.15600	0.915	0.15753	0.15578	0.15470		
B	2.12631	0.449	2.13093	2.13267	2.11533		
BA	2.13603	0.497	2.14306	2.14121	2.12382		
BE	0.05419	0.620	0.05436	0.05441	0.05380		
CA	23.75756	0.567	23.83288	23.83771	23.60209		
CD	0.05331	0.852	0.05355	0.05359	0.05279		
CO	0.52683	0.637	0.52886	0.52867	0.52296		
CR	0.21129	0.468	0.21220	0.21143	0.21023		
CU	0.27233	0.457	0.27309	0.27301	0.27089		
FE	1.55420	0.538	1.55895	1.55911	1.54455		
K	5.32853	0.549	5.35061	5.33965	5.29534		
MG	7.44247	0.501	7.45952	7.46820	7.39968		
MN	0.55449	0.597	0.55650	0.55630	0.55066		
MO	2.14464	2.933	2.07243	2.17397	2.18752		
NA	74.40085	0.500	74.57812	74.65092	73.97351		
NI	0.52709	0.584	0.52995	0.52750	0.52384		
PB	0.13183	0.760	0.13203	0.13272	0.13074		
SB	0.53788	0.522	0.53852	0.54031	0.53481		
SE	0.12059	2.348	0.12248	0.12196	0.11734		
SN	4.24799	0.359	4.25420	4.25918	4.23059		
SR	1.12877	0.529	1.13280	1.13161	1.12191		
TI	1.08709	0.485	1.08977	1.09048	1.08102		
TL	0.15200	3.750	0.15585	0.15470	0.14546		
V	0.53342	0.514	0.53542	0.53454	0.53029		
Y	241793.66667	0.406	241175.00000	241280.00000	242926.00000		
ZN	0.54044	0.599	0.54283	0.54174	0.53676		

8547

LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 18 Date/Time: 06/22/2006 16:42

Sample Number: **4791565** Class: M*** Batch: 061731848001

Initial Vol: 50.00 0 52 -M Final Vol: 50.00 DF: 1.00 Protocol Symbol: S

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	0.04982	0.577	0.04951	0.05008	0.04987	
AL	2.08469	0.336	2.08689	2.07686	2.09033	
AS	0.14855	0.982	0.14721	0.14833	0.15011	
B	2.01859	0.296	2.01593	2.01439	2.02543	
BA	2.01783	0.236	2.01927	2.01251	2.02171	
BE	0.05118	0.361	0.05111	0.05104	0.05139	
CA	22.27965	0.352	22.23535	22.23352	22.37008	
CD	0.05117	0.260	0.05110	0.05110	0.05133	
CO	0.49720	0.284	0.49688	0.49598	0.49875	
CR	0.19930	0.260	0.19968	0.19871	0.19952	
CU	0.25691	0.249	0.25647	0.25661	0.25764	
FE	1.13386	0.352	1.13290	1.13044	1.13824	
K	4.98872	0.286	4.99642	4.97225	4.99748	
MG	6.92137	0.307	6.91361	6.90507	6.94543	
MN	0.52244	0.278	0.52205	0.52123	0.52405	
MO	2.04877	2.797	1.98588	2.06242	2.09800	
NA	70.12356	0.273	70.20561	69.90443	70.26063	
NI	0.49879	0.339	0.49854	0.49723	0.50059	
PB	0.12573	1.075	0.12489	0.12501	0.12729	
SB	0.51155	0.500	0.51194	0.50882	0.51388	
SE	0.11018	0.803	0.10925	0.11101	0.11030	
SN	4.02889	0.243	4.02146	4.02525	4.03997	
SR	1.06627	0.248	1.06662	1.06346	1.06872	
TI	1.02471	0.286	1.02382	1.02232	1.02798	
TL	0.14532	2.823	0.14301	0.14289	0.15006	
V	0.50423	0.242	0.50398	0.50316	0.50556	
Y	242003.33333	0.320	242148.00000	242696.00000	241166.00000	
ZN	0.51149	0.454	0.50927	0.51131	0.51390	

0548

LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 19 Date/Time: 06/22/2006 16:47

Sample Number: **4791563** Class: UL** Batch: 061731848001

Initial Vol: 50.00 052--L Final Vol: 50.00 DF: 5.00 Protocol Symbol: S

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	-0.00020	13.558	-0.00018	-0.00023	-0.00019	
AL	0.10239	4.285	0.10142	0.09856	0.10718	
AS	0.00054	135.315	0.00019	0.00006	0.00139	
B	0.00811	1.516	0.00803	0.00806	0.00825	
BA	0.00368	16.747	0.00311	0.00359	0.00433	
BE	0.00000	361.150	-0.00002	0.00000	0.00001	
CA	3.53436	0.302	3.53534	3.52322	3.54452	
CD	-0.00023	11.125	-0.00020	-0.00025	-0.00023	
CO	0.00046	78.923	0.00020	0.00088	0.00031	
CR	0.00035	114.107	0.00000	0.00026	0.00080	
CU	0.00061	37.770	0.00045	0.00050	0.00087	
FE	0.13529	2.300	0.13272	0.13441	0.13875	
K	0.19284	1.783	0.18919	0.19330	0.19602	
MG	0.95922	0.648	0.95723	0.95425	0.96619	
MN	0.00688	2.518	0.00674	0.00682	0.00707	
MO	0.01993	44.077	0.02971	0.01737	0.01271	
NA	14.50882	0.700	14.52327	14.40077	14.60241	
NI	0.00049	65.194	0.00024	0.00038	0.00086	
PB	0.00042	273.197	-0.00049	0.00173	0.00003	
SB	0.00113	39.186	0.00163	0.00089	0.00085	
SE	0.00088	305.349	-0.00199	0.00131	0.00330	
SN	0.00145	153.057	0.00197	-0.00099	0.00337	
SR	0.01126	3.101	0.01095	0.01120	0.01164	
TI	0.00221	29.820	0.00171	0.00195	0.00295	
TL	-0.00279	18.789	-0.00277	-0.00332	-0.00227	
V	0.00025	64.596	0.00025	0.00009	0.00040	
Y	244047.66667	0.214	243491.00000	244528.00000	244124.00000	
ZN	0.01320	3.879	0.01285	0.01296	0.01378	

0549

LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 20 Date/Time: 06/22/2006 16:51

Sample Number: **4791555** Class: **** Batch: 061731848001

Initial Vol: 50.00 -TFS- Final Vol: 50.00 DF: 1.00 Protocol Symbol: S

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	-0.00006	272.412	0.00012	-0.00016	-0.00013	
AL	1.05261	0.879	1.06275	1.05047	1.04461	
AS	0.00216	136.185	0.00485	0.00262	-0.00098	
B	0.03879	3.481	0.03936	0.03976	0.03725	
BA	0.03794	0.628	0.03810	0.03805	0.03766	
BE	0.00009	36.436	0.00012	0.00005	0.00009	
CA	68.97226	0.504	69.28141	69.03950	68.59587	
CD	-0.00012	71.519	-0.00018	-0.00002	-0.00016	
CO	0.00105	28.272	0.00133	0.00074	0.00106	
CR	0.00206	2.890	0.00204	0.00202	0.00213	
CU	0.00973	1.018	0.00985	0.00967	0.00969	
FE	1.32076	0.524	1.32574	1.32370	1.31285	
K	1.11012	0.955	1.11918	1.11273	1.09846	
MG	19.81748	0.540	19.91716	19.83090	19.70438	
MN	0.06394	0.712	0.06445	0.06379	0.06358	
MO	0.00424	31.315	0.00571	0.00388	0.00313	
NA	423.97627	0.470	425.56345	424.62616	421.73921	
NI	0.00255	7.177	0.00236	0.00255	0.00273	
PB	0.00354	8.870	0.00331	0.00390	0.00342	
SB	0.00051	388.688	0.00190	-0.00177	0.00141	
SE	0.00139	90.051	0.00121	0.00024	0.00273	
SN	0.00172	84.111	0.00062	0.00119	0.00337	
SR	0.24905	0.605	0.25037	0.24936	0.24741	
TI	0.01521	2.647	0.01540	0.01475	0.01548	
TL	-0.00840	40.793	-0.00457	-0.01117	-0.00948	
V	0.00211	8.971	0.00223	0.00189	0.00220	
Y	235199.33333	0.452	234076.00000	235330.00000	236192.00000	
ZN	0.08522	0.222	0.08502	0.08540	0.08525	

6550

LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 21 Date/Time: 06/22/2006 16:56

Sample Number: **4791557** Class: **** Batch: 061731848001

Initial Vol: 50.00 mTF23 Final Vol: 50.00 DF: 1.00 Protocol Symbol: S

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	0.00002	432.379	0.00008	0.00008	-0.00009	
AL	0.14323	1.899	0.14048	0.14592	0.14329	
AS	0.00145	93.443	0.00260	-0.00004	0.00180	
B	0.01747	0.662	0.01747	0.01735	0.01758	
BA	0.01666	0.302	0.01666	0.01672	0.01662	
BE	0.00002	67.009	0.00001	0.00002	0.00004	
CA	53.20827	0.385	53.16434	53.43148	53.02899	
CD	0.00032	24.620	0.00032	0.00025	0.00041	
CO	0.00020	236.028	0.00018	0.00069	-0.00027	
CR	0.00064	32.403	0.00048	0.00088	0.00056	
CU	0.00056	31.559	0.00068	0.00036	0.00065	
FE	0.17978	0.407	0.17962	0.18058	0.17914	
K	0.92215	0.444	0.92621	0.92224	0.91801	
MG	15.95130	0.393	15.94521	16.01680	15.89190	
MN	0.01079	0.824	0.01076	0.01089	0.01072	
MO	0.00090	70.035	0.00121	0.00017	0.00131	
NA	75.37953	0.516	75.50618	75.68935	74.94306	
NI	0.00063	19.961	0.00073	0.00049	0.00067	
PB	0.00092	157.701	0.00241	-0.00048	0.00083	
SB	-0.00184	117.662	-0.00222	0.00049	-0.00380	
SE	0.00067	207.869	-0.00068	0.00212	0.00059	
SN	0.00054	226.257	0.00059	0.00174	-0.00070	
SR	0.15385	0.387	0.15392	0.15441	0.15322	
TI	0.00220	21.628	0.00165	0.00249	0.00246	
TL	-0.00644	102.480	-0.01050	-0.01000	0.00118	
V	0.00043	65.143	0.00027	0.00076	0.00027	
Y	239326.33333	0.278	239410.00000	238623.00000	239946.00000	
ZN	0.05350	2.141	0.05370	0.05454	0.05227	

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LANCASTER LABORATORIES

Run Name: 0617305T63

Instrument ID: 06383

Tube: 22

Date/Time: 06/22/2006 17:01

Sample Number: **CCV**

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	0.49501	0.396	0.49480	0.49707	0.49316	
AL	24.55121	0.416	24.55854	24.64942	24.44568	
AS	0.49056	0.761	0.48693	0.49439	0.49037	
B	0.50853	0.379	0.50848	0.51048	0.50663	
BA	0.49290	0.397	0.49297	0.49482	0.49091	
BE	0.50396	0.433	0.50427	0.50597	0.50163	
CA	24.73440	0.425	24.73732	24.83791	24.62797	
CD	0.49104	0.395	0.49142	0.49277	0.48894	
CO	0.48777	0.445	0.48780	0.48992	0.48558	
CR	0.49228	0.504	0.49226	0.49477	0.48980	
CU	0.49850	0.353	0.49862	0.50020	0.49669	
FE	25.03559	0.422	25.02904	25.14434	24.93340	
K	25.72782	0.366	25.69849	25.83318	25.65178	
MG	24.22985	0.452	24.24651	24.33007	24.11297	
MN	0.49394	0.431	0.49453	0.49571	0.49158	
MO	0.50365	2.355	0.48998	0.51124	0.50973	
NA	23.97355	0.694	23.88113	24.16554	23.87399	
NI	0.49334	0.384	0.49366	0.49505	0.49131	
PB	0.49291	0.274	0.49417	0.49309	0.49149	
SB	0.50274	0.415	0.50307	0.50465	0.50052	
SE	0.49685	0.630	0.49437	0.50037	0.49583	
SN	0.48980	0.208	0.48877	0.49080	0.48984	
SR	0.50355	0.399	0.50366	0.50549	0.50148	
TI	0.49927	0.435	0.49909	0.50153	0.49720	
TL	0.48256	1.281	0.47636	0.48872	0.48259	
V	0.49332	0.524	0.49338	0.49588	0.49071	
Y	242024.66667	0.336	241835.00000	241323.00000	242916.00000	
ZN	0.49099	0.415	0.49213	0.49220	0.48864	

#552

LANCASTER LABORATORIES

Run Name: 0617305T63

Instrument ID: 06383

Tube: 23

Date/Time: 06/22/2006 17:05

Sample Number: **CCB**

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	-0.00050	16.753	-0.00041	-0.00054	-0.00056	
AL	-0.01154	14.414	-0.01114	-0.01011	-0.01336	
AS	0.00373	58.337	0.00215	0.00283	0.00621	
B	-0.00029	125.593	-0.00016	-0.00001	-0.00071	
BA	-0.00002	123.480	0.00001	-0.00003	-0.00003	
BE	0.00003	31.573	0.00002	0.00004	0.00004	
CA	-0.00524	20.304	-0.00646	-0.00454	-0.00471	
CD	-0.00023	40.308	-0.00032	-0.00023	-0.00014	
CO	0.00013	180.170	0.00038	0.00006	-0.00006	
CR	0.00023	66.716	0.00039	0.00008	0.00023	
CU	0.00004	179.674	-0.00002	0.00011	0.00003	
FE	-0.02296	2.765	-0.02233	-0.02293	-0.02360	
K	-0.00037	037.203	-0.00486	0.00189	0.00184	
MG	-0.01042	20.009	-0.01040	-0.01252	-0.00835	
MN	0.00006	64.440	0.00004	0.00004	0.00010	
MO	0.00284	47.119	0.00418	0.00283	0.00150	
NA	-0.14874	50.391	-0.22988	-0.13427	-0.08208	
NI	0.00000	145.342	-0.00035	0.00046	-0.00011	
PB	0.00021	793.387	-0.00167	0.00085	0.00144	
SB	-0.00056	60.356	-0.00095	-0.00042	-0.00032	
SE	0.00212	85.738	0.00322	0.00002	0.00311	
SN	-0.00254	5.613	-0.00255	-0.00240	-0.00268	
SR	0.00005	38.891	0.00003	0.00004	0.00007	
TI	0.00006	106.732	0.00001	0.00004	0.00013	
TL	-0.00205	203.533	0.00009	-0.00685	0.00062	
V	0.00015	58.535	0.00005	0.00021	0.00021	
Y	242919.66667	0.189	242441.00000	243354.00000	242964.00000	
ZN	-0.00032	86.433	-0.00065	-0.00016	-0.00016	

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LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 24 Date/Time: 06/22/2006 17:10

Sample Number: **4791558** Class: **** Batch: 061731848001

Initial Vol: 50.00 ~~- DC2 -~~ Final Vol: 50.00 DF: 1.00 Protocol Symbol: S

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	-0.00019	135.168	-0.00030	0.00010	-0.00037	
AL	1.38151	0.329	1.38128	1.38616	1.37709	
AS	0.00548	40.621	0.00420	0.00419	0.00805	
B	0.00520	6.930	0.00542	0.00540	0.00479	
BA	0.01439	0.441	0.01444	0.01442	0.01432	
BE	0.00007	19.397	0.00007	0.00006	0.00009	
CA	36.92234	0.148	36.98231	36.87493	36.90978	
CD	0.00024	72.218	0.00021	0.00009	0.00043	
CO	0.00066	29.332	0.00045	0.00070	0.00083	
CR	0.00168	16.660	0.00200	0.00160	0.00145	
CU	0.00335	1.582	0.00339	0.00329	0.00336	
FE	1.54291	0.111	1.54480	1.54145	1.54247	
K	0.70392	0.457	0.70739	0.70334	0.70103	
MG	10.74278	0.214	10.76911	10.73256	10.72666	
MN	0.05980	0.406	0.06008	0.05965	0.05968	
MO	0.00017	273.545	0.00069	-0.00024	0.00007	
NA	6.68024	1.210	6.63258	6.63455	6.77361	
NI	0.00202	23.441	0.00203	0.00250	0.00155	
PB	0.00128	100.885	0.00204	0.00201	-0.00021	
SB	0.00099	37.058	0.00059	0.00106	0.00132	
SE	0.00365	38.157	0.00258	0.00522	0.00313	
SN	0.00061	381.863	-0.00184	0.00283	0.00086	
SR	0.09948	0.215	0.09971	0.09942	0.09930	
TI	0.03128	1.286	0.03164	0.03085	0.03136	
TL	-0.00020	297.974	-0.00522	0.00070	0.00392	
V	0.00193	9.471	0.00205	0.00203	0.00172	
Y	242173.33333	0.290	241519.00000	242916.00000	242085.00000	
ZN	0.04048	1.392	0.04037	0.03997	0.04109	

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LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 25 Date/Time: 06/22/2006 17:15

Sample Number: **4791559** Class: **** Batch: 061731848001

Initial Vol: 50.00 -DC1- Final Vol: 50.00 DF: 1.00 Protocol Symbol: S

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	-0.00010	282.671	0.00005	-0.00041	0.00007	
AL	0.10231	3.059	0.10580	0.09975	0.10138	
AS	0.00092	382.768	0.00328	-0.00312	0.00260	
B	0.03214	0.923	0.03217	0.03242	0.03183	
BA	0.01264	0.994	0.01276	0.01265	0.01251	
BE	0.00003	25.380	0.00004	0.00002	0.00002	
CA	84.40388	0.733	85.03314	84.38233	83.79618	
CD	0.00032	28.926	0.00043	0.00027	0.00027	
CO	0.00046	44.589	0.00037	0.00070	0.00031	
CR	0.00029	13.496	0.00029	0.00025	0.00033	
CU	0.00083	15.129	0.00089	0.00069	0.00092	
FE	0.12385	1.474	0.12562	0.12395	0.12198	
K	0.47205	0.911	0.47673	0.46826	0.47117	
MG	25.98412	0.730	26.18824	25.95107	25.81305	
MN	0.03934	0.869	0.03966	0.03937	0.03898	
MO	-0.00045	69.568	-0.00076	-0.00045	-0.00014	
NA	14.05918	0.663	14.16179	14.03621	13.97954	
NI	0.00101	18.044	0.00116	0.00107	0.00081	
PB	0.00068	291.576	0.00275	0.00049	-0.00120	
SB	0.00119	48.263	0.00167	0.00135	0.00055	
SE	0.00138	131.199	0.00247	-0.00071	0.00238	
SN	-0.00027	455.587	0.00030	0.00058	-0.00171	
SR	0.18679	0.760	0.18822	0.18679	0.18538	
TI	0.00055	32.430	0.00076	0.00041	0.00050	
TL	-0.00642	60.679	-0.00210	-0.00966	-0.00750	
V	0.00036	67.665	0.00042	0.00009	0.00057	
Y	239667.00000	0.309	238811.00000	240079.00000	240111.00000	
ZN	0.04775	1.557	0.04787	0.04843	0.04695	

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LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 26 Date/Time: 06/22/2006 17:20

Sample Number: **4791560** Class: **** Batch: 061731848001

Initial Vol: 50.00 DB8B- Final Vol: 50.00 DF: 1.00 Protocol Symbol: S

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	-0.00001	270.898	0.00010	-0.00011	-0.00001	
AL	0.28152	2.005	0.28729	0.28125	0.27601	
AS	0.00286	57.552	0.00191	0.00477	0.00191	
B	0.01199	1.998	0.01205	0.01173	0.01220	
BA	0.01744	1.239	0.01766	0.01742	0.01723	
BE	0.00003	60.440	0.00005	0.00002	0.00003	
CA	64.80468	1.193	65.62365	64.70236	64.08803	
CD	-0.00007	183.305	-0.00013	0.00008	-0.00016	
CO	0.00018	35.806	0.00018	0.00024	0.00012	
CR	0.00055	21.988	0.00068	0.00044	0.00052	
CU	0.00123	4.869	0.00121	0.00119	0.00130	
FE	0.39922	1.166	0.40410	0.39874	0.39483	
K	2.66540	1.125	2.69555	2.66505	2.63559	
MG	16.20498	1.287	16.42147	16.18793	16.00553	
MN	0.10547	1.218	0.10681	0.10535	0.10425	
MO	0.00014	302.766	-0.00024	0.00007	0.00059	
NA	2.94086	3.910	3.07362	2.87514	2.87383	
NI	0.00089	29.366	0.00085	0.00117	0.00065	
PB	-0.00018	333.755	-0.00075	-0.00024	0.00045	
SB	0.00109	239.298	0.00212	-0.00188	0.00303	
SE	0.00089	198.514	-0.00095	0.00257	0.00104	
SN	-0.00356	69.576	-0.00070	-0.00513	-0.00485	
SR	0.14864	1.336	0.15071	0.14844	0.14675	
TI	0.00355	12.080	0.00393	0.00309	0.00364	
TL	-0.00684	51.365	-0.00669	-0.01043	-0.00341	
V	0.00038	48.004	0.00017	0.00049	0.00048	
Y	240068.66667	0.266	239332.00000	240475.00000	240399.00000	
ZN	0.01186	2.998	0.01222	0.01151	0.01184	

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LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 27 Date/Time: 06/22/2006 17:24

Sample Number: **4791561** Class: **** Batch: 061731848001

Initial Vol: 50.00 DB108 Final Vol: 50.00 DF: 1.00 Protocol Symbol: S

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	-0.00058	19.547	-0.00045	-0.00063	-0.00067	
AL	0.10859	3.772	0.11324	0.10702	0.10551	
AS	0.00096	125.825	0.00099	0.00214	-0.00026	
B	0.01196	5.589	0.01240	0.01229	0.01119	
BA	0.01756	1.403	0.01782	0.01754	0.01732	
BE	0.00002	97.216	0.00004	0.00002	0.00000	
CA	69.35699	1.381	70.32532	69.33600	68.40965	
CD	0.00017	45.463	0.00027	0.00013	0.00013	
CO	0.00023	43.329	0.00031	0.00012	0.00025	
CR	0.00058	40.853	0.00079	0.00063	0.00032	
CU	0.00119	6.713	0.00120	0.00110	0.00126	
FE	0.14671	1.543	0.14870	0.14717	0.14425	
K	2.77489	1.335	2.80948	2.77937	2.73582	
MG	17.42646	1.469	17.68293	17.42532	17.17112	
MN	0.10281	1.532	0.10439	0.10281	0.10124	
MO	-0.00014	301.555	-0.00014	0.00028	-0.00055	
NA	3.16033	2.512	3.24944	3.09716	3.13440	
NI	0.00047	49.998	0.00065	0.00057	0.00020	
PB	0.00145	9.191	0.00144	0.00132	0.00159	
SB	0.00088	222.450	0.00038	-0.00078	0.00304	
SE	0.00276	51.215	0.00272	0.00419	0.00137	
SN	-0.00027	032.458	0.00245	-0.00013	-0.00314	
SR	0.15825	1.470	0.16057	0.15827	0.15592	
TI	0.00125	11.735	0.00113	0.00141	0.00122	
TL	-0.00824	25.356	-0.01052	-0.00642	-0.00777	
V	0.00053	75.959	0.00010	0.00058	0.00090	
Y	239621.66667	0.216	239052.00000	239752.00000	240061.00000	
ZN	0.02183	4.255	0.02204	0.02263	0.02081	

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LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 28 Date/Time: 06/22/2006 17:29

Sample Number: **4791562** Class: **** Batch: 061731848001

Initial Vol: 50.00 DBM Final Vol: 50.00 DF: 1.00 Protocol Symbol: S

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	-0.00015	12.722	-0.00013	-0.00015	-0.00016	
AL	1.11631	0.318	1.11271	1.11982	1.11641	
AS	0.00294	24.231	0.00352	0.00214	0.00317	
B	0.00757	5.397	0.00800	0.00718	0.00754	
BA	0.01248	0.188	0.01245	0.01250	0.01248	
BE	0.00007	30.956	0.00009	0.00007	0.00005	
CA	31.55914	0.071	31.56848	31.57530	31.53363	
CD	-0.00028	65.181	-0.00027	-0.00047	-0.00010	
CO	0.00090	28.290	0.00090	0.00115	0.00065	
CR	0.00147	10.527	0.00150	0.00130	0.00161	
CU	0.00321	1.776	0.00320	0.00328	0.00317	
FE	1.32319	0.118	1.32165	1.32477	1.32315	
K	1.30737	0.107	1.30865	1.30759	1.30587	
MG	11.82757	0.126	11.83251	11.83940	11.81081	
MN	0.06715	0.222	0.06730	0.06717	0.06700	
MO	-0.00062	96.320	0.00007	-0.00096	-0.00096	
NA	2.35598	1.801	2.32330	2.34070	2.40393	
NI	0.00106	42.614	0.00054	0.00137	0.00128	
PB	0.00142	10.712	0.00152	0.00125	0.00150	
SB	-0.00012	646.752	0.00001	0.00058	-0.00095	
SE	0.00035	616.111	0.00045	0.00243	-0.00184	
SN	-0.00018	626.879	0.00314	-0.00127	-0.00241	
SR	0.06097	0.155	0.06100	0.06104	0.06086	
TI	0.02839	5.066	0.03005	0.02760	0.02752	
TL	-0.01100	42.951	-0.01146	-0.00606	-0.01547	
V	0.00188	17.541	0.00199	0.00151	0.00215	
Y	241126.00000	0.122	240833.00000	241124.00000	241421.00000	
ZN	0.03427	2.296	0.03496	0.03443	0.03341	

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LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 29 Date/Time: 06/22/2006 17:34

Sample Number: **4791568** Class: **** Batch: 061731848001

Initial Vol: 50.00 ORA-- Final Vol: 50.00 DF: 1.00 Protocol Symbol: S

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	0.00008	107.029	0.00004	0.00002	0.00018	
AL	-0.00857	30.663	-0.00626	-0.00801	-0.01143	
AS	0.00553	22.436	0.00615	0.00410	0.00634	
B	0.02065	2.023	0.02105	0.02068	0.02022	
BA	0.03760	1.057	0.03782	0.03785	0.03715	
BE	0.00004	64.709	0.00003	0.00001	0.00006	
CA	55.27032	1.130	55.43075	55.79894	54.58127	
CD	0.00023	25.845	0.00030	0.00019	0.00021	
CO	0.00044	86.010	0.00083	0.00044	0.00006	
CR	0.00054	142.188	-0.00032	0.00077	0.00117	
CU	0.00068	7.042	0.00064	0.00067	0.00073	
FE	0.19951	1.412	0.20036	0.20181	0.19637	
K	1.33601	1.003	1.33797	1.34832	1.32173	
MG	22.56161	1.161	22.65159	22.76669	22.26655	
MN	0.05895	1.067	0.05919	0.05942	0.05823	
MO	0.00173	48.226	0.00142	0.00267	0.00109	
NA	20.41637	0.875	20.39066	20.60644	20.25202	
NI	0.00118	34.350	0.00073	0.00152	0.00128	
PB	0.00167	63.060	0.00179	0.00266	0.00056	
SB	-0.00058	664.624	0.00110	-0.00497	0.00214	
SE	0.00168	132.371	0.00357	0.00225	-0.00077	
SN	-0.00512	30.405	-0.00543	-0.00343	-0.00650	
SR	0.28641	1.165	0.28763	0.28896	0.28263	
TI	-0.00015	33.625	-0.00013	-0.00020	-0.00011	
TL	-0.00477	17.230	-0.00398	-0.00562	-0.00472	
V	-0.00005	189.543	-0.00069	0.00028	0.00027	
Y	240402.00000	0.843	239541.00000	238948.00000	242717.00000	
ZN	0.09103	1.574	0.09206	0.09164	0.08940	

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LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 30 Date/Time: 06/22/2006 17:39

Sample Number: **4791569** Class: **** Batch: 061731848001

Initial Vol: 50.00 053- Final Vol: 50.00 DF: 1.00 Protocol Symbol: S

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	0.00011	272.931	0.00046	-0.00004	-0.00009	
AL	-0.01407	33.834	-0.01589	-0.01765	-0.00867	
AS	0.00336	82.451	0.00057	0.00610	0.00341	
B	0.00738	9.131	0.00722	0.00812	0.00679	
BA	0.00456	2.014	0.00450	0.00452	0.00467	
BE	0.00003	167.253	0.00008	0.00002	-0.00001	
CA	20.93217	1.976	20.57233	20.84011	21.38405	
CD	-0.00023	87.527	-0.00001	-0.00041	-0.00028	
CO	-0.00007	95.889	0.00000	-0.00013	-0.00008	
CR	0.00011	104.534	0.00020	0.00013	-0.00001	
CU	-0.00001	394.349	0.00004	-0.00006	-0.00002	
FE	-0.02682	0.543	-0.02689	-0.02665	-0.02691	
K	0.48677	0.790	0.48487	0.48425	0.49120	
MG	5.96955	1.811	5.88020	5.93870	6.08976	
MN	0.00059	4.832	0.00058	0.00063	0.00058	
MO	0.00001	104.395	-0.00024	-0.00044	0.00070	
NA	16.17428	1.621	16.00597	16.04057	16.47629	
NI	0.00027	163.129	0.00050	0.00056	-0.00024	
PB	-0.00042	308.123	-0.00056	0.00093	-0.00163	
SB	0.00066	98.992	-0.00003	0.00126	0.00075	
SE	-0.00058	484.007	0.00195	-0.00360	-0.00009	
SN	-0.00172	95.072	-0.00070	-0.00085	-0.00360	
SR	0.05695	1.845	0.05608	0.05665	0.05812	
TI	-0.00016	14.360	-0.00014	-0.00018	-0.00016	
TL	-0.00520	50.523	-0.00791	-0.00502	-0.00267	
V	-0.00027	59.038	-0.00027	-0.00011	-0.00043	
Y	241057.33333	1.458	243794.00000	242283.00000	237095.00000	
ZN	0.01652	2.176	0.01643	0.01621	0.01691	

0560

LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 31 Date/Time: 06/22/2006 17:43

Sample Number: **4791570** Class: **** Batch: 061731848001

Initial Vol: 50.00 ORG-T Final Vol: 50.00 DF: 1.00 Protocol Symbol: S

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	0.00012	60.766	0.00017	0.00015	0.00004	
AL	0.03241	8.878	0.03340	0.03466	0.02917	
AS	0.00127	77.433	0.00054	0.00089	0.00239	
B	0.01084	3.451	0.01048	0.01123	0.01081	
BA	0.01728	0.785	0.01741	0.01730	0.01714	
BE	0.00001	217.162	0.00003	0.00002	-0.00002	
CA	45.30632	0.557	45.52841	45.35853	45.03201	
CD	0.00107	17.640	0.00103	0.00127	0.00090	
CO	0.00008	383.089	0.00005	-0.00020	0.00038	
CR	0.00271	5.173	0.00283	0.00256	0.00275	
CU	0.00509	1.505	0.00509	0.00517	0.00502	
FE	0.68198	0.633	0.68590	0.68269	0.67735	
K	1.59791	0.560	1.60478	1.60118	1.58778	
MG	15.46196	0.660	15.54970	15.48611	15.35007	
MN	0.06032	0.674	0.06071	0.06035	0.05990	
MO	0.00063	154.710	-0.00045	0.00091	0.00143	
NA	34.71288	0.688	34.89206	34.80465	34.44192	
NI	0.00354	11.282	0.00312	0.00391	0.00359	
PB	0.00055	317.004	-0.00142	0.00114	0.00194	
SB	0.00123	106.351	0.00273	0.00038	0.00057	
SE	0.00066	111.235	0.00149	0.00011	0.00038	
SN	-0.00042	719.066	-0.00388	0.00146	0.00117	
SR	0.15686	0.685	0.15782	0.15705	0.15570	
TI	0.00027	50.828	0.00028	0.00039	0.00012	
TL	-0.00369	174.056	-0.00206	0.00176	-0.01078	
V	0.00009	1.556	0.00009	0.00009	0.00009	
Y	238106.33333	0.082	237955.00000	238036.00000	238328.00000	
ZN	0.14303	0.424	0.14323	0.14351	0.14235	

0561

LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 32 Date/Time: 06/22/2006 17:48

Sample Number: **4795396** Class: **** Batch: 061731848001

Initial Vol: 50.00 ZZZZZZ Final Vol: 50.00 DF: 1.00 Protocol Symbol: S

ELEMENT		AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	K	0.00185	11.395	0.00172	0.00209	0.00174	
AL	K	45.13589	2.846	46.39130	45.19217	43.82420	
AS	K	0.22621	1.882	0.22923	0.22134	0.22806	
B	K	0.18913	2.724	0.19381	0.18996	0.18361	
BA	K	0.09572	3.030	0.09861	0.09574	0.09281	
BE	K	0.00143	6.707	0.00154	0.00141	0.00135	
CA		55.00975	2.556	56.37779	55.08290	53.56856	
CD	K	0.11127	2.588	0.11419	0.11121	0.10843	
CO	K	0.16009	2.457	0.16372	0.16063	0.15591	
CR	K	12.85990	2.438	13.17009	12.86638	12.54322	
CU		2.49848	3.063	2.57297	2.50242	2.42005	
FE	S	15.51516	4.056	15.42465	16.18481	14.93600	
K		47.75653	3.431	49.37196	47.80146	46.09617	
MG	K	16.96388	2.472	17.37498	16.98001	16.53664	
MN	K	5.35774	2.617	5.49592	5.36172	5.21559	
MO	K	1.84676	2.085	1.88030	1.85526	1.80472	
NA	K	1019.83163	2.256	1042.07856	1021.27622	996.14011	
NI	K	10.54303	2.608	10.80919	10.55995	10.25996	
PB	K	1.09212	2.046	1.11364	1.09368	1.06904	
SB	K	0.21870	1.666	0.22281	0.21744	0.21585	
SE	K	-0.17621	2.867	-0.17956	-0.17867	-0.17040	
SN		0.13923	0.852	0.14044	0.13918	0.13807	
SR		0.32004	3.016	0.32962	0.32019	0.31032	
TI	K	6.15282	2.581	6.30741	6.16096	5.99009	
TL	K	-0.07114	11.245	-0.06841	-0.08015	-0.06486	
V	K	0.35448	2.922	0.36413	0.35578	0.34354	
Y		213775.66667	0.812	211850.00000	214255.00000	215222.00000	
ZN	K	15.07112	2.275	15.41061	15.07784	14.72491	

0562

LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 33 Date/Time: 06/22/2006 17:53

Sample Number: **4794051** Class: **** Batch: 061731848001

Initial Vol: 50.00 ZZZZZZ Final Vol: 50.00 DF: 1.00 Protocol Symbol: S

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	-0.00021	101.965	-0.00042	0.00001	-0.00022	
AL	-0.01711	14.805	-0.01422	-0.01894	-0.01817	
AS	0.00002	917.848	-0.00207	0.00079	0.00134	
B	-0.00193	25.218	-0.00184	-0.00245	-0.00149	
BA	-0.00009	24.895	-0.00008	-0.00012	-0.00008	
BE	0.00002	200.757	0.00001	-0.00002	0.00008	
CA	-0.01637	2.447	-0.01641	-0.01595	-0.01675	
CD	-0.00026	6.687	-0.00026	-0.00028	-0.00025	
CO	-0.00007	433.965	0.00025	-0.00013	-0.00032	
CR	0.00044	17.722	0.00047	0.00050	0.00035	
CU	-0.00034	22.634	-0.00035	-0.00025	-0.00040	
FE	-0.02744	12.666	-0.02352	-0.02866	-0.03014	
K	-0.00020	433.227	0.00369	-0.00557	0.00129	
MG	-0.02278	6.607	-0.02138	-0.02258	-0.02437	
MN	-0.00004	95.821	-0.00001	-0.00007	-0.00003	
MO	0.00096	99.589	0.00162	0.00140	-0.00014	
NA	-0.06209	55.796	-0.02243	-0.07742	-0.08643	
NI	0.00021	227.906	0.00032	0.00062	-0.00032	
PB	-0.00122	3.916	-0.00118	-0.00121	-0.00128	
SB	0.00005	748.322	-0.00128	-0.00085	0.00229	
SE	-0.00097	215.316	0.00136	-0.00268	-0.00160	
SN	-0.00018	351.214	0.00243	-0.00241	-0.00056	
SR	-0.00002	109.452	0.00000	-0.00003	-0.00005	
TI	0.00015	57.205	0.00024	0.00014	0.00007	
TL	-0.00351	68.616	-0.00477	-0.00501	-0.00073	
V	-0.00011	439.256	0.00037	-0.00011	-0.00059	
Y	241335.33333	0.349	241241.00000	242221.00000	240544.00000	
ZN	0.00012	569.757	0.00001	-0.00048	0.00082	

6563

LANCASTER LABORATORIES

Run Name: 0617305T63

Tube: 34

Sample Number: **CCV**

Instrument ID: 06383

Date/Time: 06/22/2006 17:58

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	0.49403	0.521	0.49608	0.49487	0.49114	
AL	24.48727	0.519	24.59715	24.51648	24.34818	
AS	0.49460	1.172	0.49866	0.49719	0.48796	
B	0.50608	0.303	0.50777	0.50566	0.50480	
BA	0.49187	0.522	0.49417	0.49233	0.48910	
BE	0.50308	0.633	0.50564	0.50409	0.49951	
CA	24.58509	0.599	24.68482	24.65453	24.41591	
CD	0.49281	0.614	0.49565	0.49316	0.48963	
CO	0.48740	0.598	0.48977	0.48827	0.48415	
CR	0.49162	0.537	0.49407	0.49198	0.48882	
CU	0.49343	0.498	0.49566	0.49383	0.49080	
FE	25.04990	0.549	25.15819	25.09641	24.89510	
K	25.62837	0.509	25.75679	25.63214	25.49617	
MG	24.28629	0.636	24.41548	24.32837	24.11503	
MN	0.49358	0.599	0.49595	0.49452	0.49027	
MO	0.50308	1.790	0.49268	0.50842	0.50814	
NA	23.86545	0.144	23.85974	23.90223	23.83437	
NI	0.49315	0.805	0.49668	0.49391	0.48885	
PB	0.49548	0.636	0.49752	0.49706	0.49185	
SB	0.50001	0.749	0.50425	0.49864	0.49714	
SE	0.49430	1.220	0.49570	0.49952	0.48770	
SN	0.48918	1.878	0.48437	0.49977	0.48340	
SR	0.50191	0.548	0.50430	0.50252	0.49890	
TI	0.49674	0.604	0.49940	0.49734	0.49349	
TL	0.48088	1.073	0.47560	0.48591	0.48114	
V	0.49187	0.571	0.49392	0.49302	0.48866	
Y	242014.66667	0.491	241270.00000	241390.00000	243384.00000	
ZN	0.49345	0.655	0.49686	0.49304	0.49044	

8564

LANCASTER LABORATORIES

Run Name: 0617305T63

Instrument ID: 06383

Tube: 35

Date/Time: 06/22/2006 18:02

Sample Number: **CCB**

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	0.00011	159.154	0.00006	-0.00003	0.00030	
AL	-0.00311	4.312	-0.00322	-0.00315	-0.00296	
AS	0.00441	69.569	0.00759	0.00146	0.00420	
B	-0.00128	68.693	-0.00218	-0.00042	-0.00125	
BA	0.00002	160.069	0.00004	-0.00002	0.00003	
BE	0.00007	67.975	0.00003	0.00013	0.00006	
CA	-0.00555	9.872	-0.00546	-0.00613	-0.00505	
CD	-0.00014	60.660	-0.00012	-0.00007	-0.00024	
CO	0.00036	98.317	0.00069	0.00000	0.00038	
CR	0.00022	101.830	0.00031	-0.00003	0.00039	
CU	-0.00041	4.853	-0.00040	-0.00043	-0.00040	
FE	-0.02136	4.742	-0.02019	-0.02198	-0.02191	
K	0.00104	190.398	-0.00030	0.00331	0.00011	
MG	-0.00676	27.771	-0.00892	-0.00553	-0.00582	
MN	0.00006	95.896	0.00013	0.00004	0.00002	
MO	0.00237	69.978	0.00428	0.00131	0.00152	
NA	-0.10837	62.557	-0.18664	-0.06811	-0.07036	
NI	0.00025	195.946	0.00047	-0.00031	0.00061	
PB	0.00017	930.950	0.00163	-0.00144	0.00031	
SB	-0.00058	351.046	-0.00232	-0.00104	0.00164	
SE	0.00210	255.082	-0.00401	0.00598	0.00433	
SN	-0.00020	861.693	0.00609	-0.00484	-0.00185	
SR	0.00007	28.035	0.00005	0.00007	0.00008	
TI	0.00015	68.177	0.00018	0.00022	0.00003	
TL	0.00124	153.269	0.00330	0.00089	-0.00046	
V	-0.00005	334.666	0.00005	0.00005	-0.00027	
Y	241451.33333	0.395	242549.00000	240985.00000	240820.00000	
ZN	-0.00021	176.211	0.00000	0.00001	-0.00064	

8565

LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 36 Date/Time: 06/22/2006 18:07

Sample Number: **4794052** Class: **** Batch: 061731848001

Initial Vol: 50.00 ZZZZZZ Final Vol: 50.00 DF: 1.00 Protocol Symbol: S

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	-0.00023	100.540	-0.00023	0.00000	-0.00046	
AL	-0.01245	19.813	-0.00980	-0.01468	-0.01287	
AS	0.00465	46.880	0.00592	0.00590	0.00213	
B	-0.00157	33.091	-0.00099	-0.00199	-0.00173	
BA	-0.00007	97.726	-0.00005	-0.00014	-0.00001	
BE	0.00001	301.686	0.00003	0.00005	-0.00003	
CA	-0.01502	4.103	-0.01572	-0.01477	-0.01456	
CD	-0.00024	55.808	-0.00039	-0.00013	-0.00020	
CO	0.00006	349.025	0.00006	0.00025	-0.00014	
CR	0.00012	138.323	-0.00007	0.00020	0.00024	
CU	-0.00038	12.873	-0.00044	-0.00035	-0.00035	
FE	-0.03360	1.352	-0.03385	-0.03307	-0.03387	
K	-0.00189	206.496	-0.00321	0.00250	-0.00496	
MG	-0.02238	13.582	-0.01956	-0.02198	-0.02560	
MN	-0.00008	85.026	-0.00014	-0.00001	-0.00009	
MO	0.00007	210.151	-0.00045	0.00100	-0.00035	
NA	-0.11331	54.188	-0.17856	-0.05666	-0.10471	
NI	-0.00004	261.246	0.00011	0.00081	-0.00103	
PB	0.00072	29.661	0.00068	0.00053	0.00095	
SB	-0.00092	107.630	-0.00063	-0.00203	-0.00011	
SE	0.00231	82.450	0.00132	0.00450	0.00110	
SN	-0.00210	95.290	-0.00157	-0.00042	-0.00431	
SR	-0.00002	47.837	-0.00001	-0.00001	-0.00002	
TI	-0.00004	279.718	0.00002	0.00003	-0.00017	
TL	-0.00454	20.863	-0.00373	-0.00558	-0.00430	
V	-0.00032	28.888	-0.00043	-0.00027	-0.00027	
Y	239302.66667	0.685	239053.00000	241053.00000	237802.00000	
ZN	0.00018	473.466	0.00067	-0.00081	0.00068	

0566

LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 37 Date/Time: 06/22/2006 18:12

Sample Number: 4795722 ZZZZZZ Class: **** Batch: 061731848001

Initial Vol: 50.00 Final Vol: 50.00 DF: 1.00 Protocol Symbol: S

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	0.00001	371.146	-0.00017	0.00002	0.00019	
AL	0.05375	11.082	0.06014	0.05276	0.04835	
AS	0.00365	43.505	0.00539	0.00227	0.00329	
B	0.02174	2.673	0.02222	0.02189	0.02109	
BA	0.29526	3.106	0.30382	0.29639	0.28558	
BE	0.00310	3.152	0.00319	0.00311	0.00300	
CA	35.53828	2.902	36.47480	35.70711	34.43293	
CD	-0.00192	3.464	-0.00196	-0.00184	-0.00195	
CO	0.00065	82.500	0.00031	0.00127	0.00037	
CR	0.00271	2.048	0.00268	0.00277	0.00268	
CU	0.00008	81.025	0.00007	0.00014	0.00002	
FE	53.00636	2.805	54.38063	53.21059	51.42786	
K	3.58668	3.127	3.69441	3.59506	3.47058	
MG	16.41322	2.917	16.85731	16.47624	15.90609	
MN	1.16378	2.927	1.19524	1.16850	1.12760	
MO	-0.00010	558.264	-0.00014	0.00049	-0.00065	
NA	46.44225	3.042	47.74857	46.63494	44.94325	
NI	0.00854	7.384	0.00901	0.00878	0.00782	
PB	0.00059	15.082	0.00059	0.00050	0.00068	
SB	0.00098	298.121	-0.00237	0.00299	0.00232	
SE	0.00390	53.600	0.00620	0.00210	0.00341	
SN	0.00055	249.825	0.00161	0.00102	-0.00099	
SR	0.31836	3.115	0.32762	0.31956	0.30789	
TI	0.00118	14.736	0.00126	0.00130	0.00098	
TL	-0.00605	46.181	-0.00357	-0.00551	-0.00908	
V	0.01966	1.878	0.01996	0.01977	0.01925	
Y	239173.00000	0.664	237566.00000	239210.00000	240743.00000	
ZN	0.00301	26.484	0.00388	0.00285	0.00231	

0567

LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 38 Date/Time: 06/22/2006 18:17

Sample Number: **4796451** Class: **** Batch: 061731848001

Initial Vol: 50.00 **ZZZZZZ** Final Vol: 50.00 DF: 1.00 Protocol Symbol: S

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	-0.00004	525.076	-0.00011	0.00019	-0.00020	
AL	-0.00671	44.752	-0.00598	-0.00413	-0.01001	
AS	0.00191	140.423	0.00098	0.00493	-0.00018	
B	0.00945	0.791	0.00952	0.00937	0.00947	
BA	0.02497	1.824	0.02537	0.02506	0.02448	
BE	0.00014	13.916	0.00015	0.00016	0.00012	
CA	100.70709	1.881	102.29431	101.21752	98.60943	
CD	0.00050	7.587	0.00045	0.00051	0.00052	
CO	0.00033	113.661	0.00018	0.00077	0.00005	
CR	0.00114	44.892	0.00168	0.00109	0.00066	
CU	0.08099	1.724	0.08217	0.08135	0.07945	
FE	-0.02885	4.696	-0.02736	-0.02916	-0.03001	
K	4.28913	2.032	4.37194	4.29725	4.19820	
MG	54.67405	1.845	55.53080	54.92882	53.56254	
MN	0.00066	8.651	0.00072	0.00060	0.00065	
MO	-0.00003	779.130	-0.00067	0.00102	-0.00045	
NA	27.58737	1.866	28.06031	27.66286	27.03895	
NI	0.00159	23.321	0.00119	0.00166	0.00192	
PB	0.00038	100.548	0.00049	0.00071	-0.00004	
SB	0.00183	92.439	0.00255	0.00305	-0.00010	
SE	0.00074	99.357	0.00002	0.00072	0.00149	
SN	-0.00123	145.159	-0.00172	0.00075	-0.00273	
SR	0.17205	1.957	0.17502	0.17274	0.16839	
TI	-0.00077	5.732	-0.00077	-0.00073	-0.00082	
TL	-0.00929	28.489	-0.01179	-0.00958	-0.00651	
V	0.00050	68.635	0.00088	0.00023	0.00038	
Y	236251.00000	0.295	235903.00000	235796.00000	237054.00000	
ZN	0.01078	3.229	0.01040	0.01108	0.01087	

0566

LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 39 Date/Time: 06/22/2006 18:21

Sample Number: **4796455** Class: **** Batch: 061731848001

Initial Vol: 50.00 **ZZZZZZ** Final Vol: 50.00 DF: 1.00 Protocol Symbol: S

				INTEGRATIONS			Re-read
ELEMENT	AVG (ppm)	%RSD	#1	#2	#3		Re-digest
AG	0.00127	30.300	0.00169	0.00120	0.00093		
AL	0.15833	1.235	0.15632	0.15845	0.16023		
AS	0.00604	51.980	0.00593	0.00924	0.00296		
B	0.03895	2.455	0.03809	0.03998	0.03878		
BA	0.05658	0.163	0.05666	0.05661	0.05648		
BE	0.00011	6.996	0.00010	0.00011	0.00011		
CA	26.89530	0.163	26.91563	26.92540	26.84488		
CD	0.00835	1.536	0.00822	0.00847	0.00835		
CO	0.00162	17.789	0.00164	0.00132	0.00190		
CR	0.00263	14.821	0.00218	0.00283	0.00287		
CU	0.08155	0.273	0.08177	0.08157	0.08132		
FE	1.69051	0.082	1.69191	1.69045	1.68915		
K	16.86230	0.110	16.87989	16.86405	16.84298		
MG	6.38373	0.219	6.38995	6.39354	6.36769		
MN	0.15190	0.128	0.15192	0.15208	0.15169		
MO	0.00083	101.738	0.00121	-0.00014	0.00142		
NA	26.81458	0.504	26.82950	26.94172	26.67252		
NI	0.00551	1.694	0.00556	0.00556	0.00540		
PB	0.03024	3.356	0.02936	0.03135	0.03000		
SB	-0.00044	580.624	0.00247	-0.00159	-0.00219		
SE	0.00239	95.670	0.00079	0.00137	0.00501		
SN	0.00115	142.936	0.00172	0.00244	-0.00070		
SR	0.11210	0.101	0.11218	0.11214	0.11197		
TI	0.00750	4.283	0.00786	0.00726	0.00737		
TL	-0.00631	12.875	-0.00712	-0.00549	-0.00631		
V	0.00137	13.504	0.00116	0.00148	0.00148		
Y	240292.33333	0.028	240220.00000	240355.00000	240302.00000		
ZN	0.24535	0.312	0.24586	0.24572	0.24447		

8569

LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 40 Date/Time: 06/22/2006 18:26

Sample Number: **4797770** Class: **** Batch: 061731848001

Initial Vol: 50.00 ZZZZZZ Final Vol: 50.00 DF: 1.00 Protocol Symbol: S

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	0.00003	168.414	-0.00037	0.00032	0.00014	
AL	0.02038	10.612	0.01977	0.02279	0.01859	
AS	0.00395	78.461	0.00284	0.00156	0.00745	
B	0.15004	0.174	0.15023	0.15015	0.14974	
BA	0.02020	0.844	0.02028	0.02031	0.02000	
BE	0.00007	28.985	0.00008	0.00005	0.00009	
CA	48.73822	0.690	48.65936	49.10704	48.44826	
CD	-0.00013	43.907	-0.00018	-0.00007	-0.00016	
CO	0.00292	3.418	0.00302	0.00290	0.00283	
CR	0.00098	11.926	0.00091	0.00111	0.00091	
CU	0.00823	1.087	0.00817	0.00833	0.00820	
FE	0.01975	3.169	0.02031	0.01987	0.01907	
K	1.21978	0.892	1.22465	1.22737	1.20731	
MG	28.40477	0.693	28.38489	28.61084	28.21860	
MN	0.07663	0.587	0.07664	0.07707	0.07617	
MO	0.00116	61.747	0.00196	0.00091	0.00059	
NA	73.70999	0.611	73.82839	74.08914	73.21243	
NI	0.00446	11.781	0.00488	0.00463	0.00387	
PB	-0.00051	180.195	-0.00156	0.00005	-0.00001	
SB	0.00131	25.057	0.00121	0.00168	0.00105	
SE	0.00217	122.480	-0.00043	0.00489	0.00206	
SN	-0.00220	84.728	-0.00013	-0.00274	-0.00374	
SR	0.12264	0.848	0.12307	0.12340	0.12146	
TI	0.00025	24.657	0.00022	0.00032	0.00020	
TL	-0.00493	36.241	-0.00328	-0.00468	-0.00683	
V	0.01487	0.635	0.01496	0.01487	0.01477	
Y	237166.66667	0.317	237376.00000	236333.00000	237791.00000	
ZN	0.01515	2.552	0.01525	0.01548	0.01473	

8578

LANCASTER LABORATORIES

Run Name: 0617305T63 Instrument ID: 06383

Tube: 41 Date/Time: 06/22/2006 18:31

Sample Number: 4785073 ZZZZZZ Class: **** Batch: 061731848001

Initial Vol: 50.00 Final Vol: 50.00 DF: 1.00 Protocol Symbol: S

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	-0.00072	17.203	-0.00080	-0.00058	-0.00079	
AL	0.88960	1.156	0.90139	0.88495	0.88247	
AS	0.00631	30.756	0.00536	0.00503	0.00854	
B	0.03268	0.755	0.03288	0.03241	0.03276	
BA	0.52691	1.341	0.53498	0.52394	0.52181	
BE	0.00719	1.678	0.00732	0.00715	0.00709	
CA	126.65213	1.015	128.11975	126.10723	125.72941	
CD	0.00365	5.019	0.00386	0.00350	0.00360	
CO	0.40482	0.975	0.40938	0.40251	0.40257	
CR	0.00089	21.429	0.00072	0.00110	0.00086	
CU	0.00139	3.665	0.00142	0.00142	0.00133	
FE	45.62061	1.070	46.18339	45.36619	45.31224	
K	8.56357	1.098	8.67070	8.52527	8.49473	
MG	69.36797	1.196	70.31965	68.98736	68.79689	
MN	7.62093	1.069	7.71458	7.58170	7.56653	
MO	-0.00074	35.512	-0.00094	-0.00084	-0.00044	
NA	43.74684	1.212	44.35649	43.49211	43.39191	
NI	0.37317	1.406	0.37903	0.37155	0.36892	
PB	0.00468	34.305	0.00326	0.00436	0.00642	
SB	-0.00338	15.358	-0.00380	-0.00280	-0.00355	
SE	0.00134	247.330	-0.00013	0.00513	-0.00099	
SN	-0.00092	336.585	-0.00430	-0.00029	0.00182	
SR	1.84886	1.270	1.87569	1.83889	1.83201	
TI	-0.00064	7.586	-0.00068	-0.00058	-0.00065	
TL	-0.00239	92.846	-0.00070	-0.00491	-0.00157	
V	0.00266	7.429	0.00280	0.00274	0.00244	
Y	247262.66667	0.835	248410.00000	248498.00000	244880.00000	
ZN	192.36433	0.460	192.35944	191.48126	193.25229	

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0571

LANCASTER LABORATORIES

Run Name: 0617305T63

Instrument ID: 06383

Tube: 42

Date/Time: 06/22/2006 18:35

Sample Number: **LLC**

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	0.00523	2.442	0.00511	0.00536	0.00522	
AL	0.19475	0.225	0.19432	0.19474	0.19519	
AS	0.02347	5.226	0.02208	0.02441	0.02393	
B	0.05277	0.599	0.05297	0.05293	0.05240	
BA	0.00509	1.206	0.00504	0.00516	0.00509	
BE	0.00521	0.249	0.00520	0.00522	0.00523	
CA	0.20834	5.617	0.19490	0.21387	0.21625	
CD	0.00490	3.501	0.00509	0.00476	0.00484	
CO	0.00540	2.536	0.00535	0.00555	0.00529	
CR	0.01571	0.479	0.01568	0.01567	0.01580	
CU	0.00987	0.609	0.00981	0.00989	0.00992	
FE	0.18999	1.411	0.18695	0.19100	0.19202	
K	0.20559	0.626	0.20518	0.20455	0.20703	
MG	0.09196	8.242	0.08326	0.09548	0.09714	
MN	0.00643	9.473	0.00574	0.00668	0.00687	
MO	0.01091	2.669	0.01107	0.01057	0.01108	
NA	0.85666	3.691	0.85299	0.82704	0.88996	
NI	0.01032	5.584	0.00997	0.01001	0.01099	
PB	0.01506	3.077	0.01558	0.01492	0.01469	
SB	0.01972	2.023	0.01952	0.01946	0.02018	
SE	0.01988	2.173	0.02011	0.02015	0.01938	
SN	0.02031	9.854	0.02235	0.02024	0.01835	
SR	0.00550	2.978	0.00531	0.00557	0.00561	
TI	0.01024	0.693	0.01032	0.01019	0.01022	
TL	0.01479	12.191	0.01361	0.01390	0.01686	
V	0.00483	7.650	0.00462	0.00463	0.00526	
Y	239585.66667	0.084	239753.00000	239361.00000	239643.00000	
ZN	0.08883	33.040	0.05529	0.10141	0.10980	

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LANCASTER LABORATORIES

Run Name: 0617305T63

Instrument ID: 06383

Tube: 43

Date/Time: 06/22/2006 18:40

Sample Number: **ICSA**

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	0.00009	169.408	-0.00008	0.00014	0.00021	
AL	497.70984	0.288	498.30227	498.75044	496.07681	
AS	0.00181	50.656	0.00087	0.00271	0.00185	
B	-0.00245	26.371	-0.00173	-0.00263	-0.00299	
BA	-0.00060	5.260	-0.00064	-0.00059	-0.00058	
BE	0.00024	6.481	0.00023	0.00026	0.00023	
CA	470.90748	0.478	471.77299	472.59535	468.35410	
CD	-0.00420	1.939	-0.00426	-0.00411	-0.00424	
CO	0.00314	13.879	0.00290	0.00364	0.00288	
CR	-0.00265	7.217	-0.00264	-0.00285	-0.00247	
CU	0.00154	7.601	0.00159	0.00163	0.00141	
FE	186.05415	0.409	186.39297	186.58601	185.18346	
K	-0.00976	33.539	-0.00828	-0.00749	-0.01351	
MG	522.82488	0.336	523.59692	524.06345	520.81426	
MN	0.00926	0.308	0.00926	0.00929	0.00924	
MO	-0.00055	316.485	-0.00191	0.00140	-0.00113	
NA	-0.19958	9.378	-0.17863	-0.20547	-0.21465	
NI	0.00252	28.962	0.00223	0.00198	0.00335	
PB	0.00455	36.254	0.00563	0.00537	0.00265	
SB	-0.00173	132.300	0.00014	-0.00105	-0.00429	
SE	-0.00078	535.147	0.00221	-0.00556	0.00101	
SN	0.00273	109.272	0.00006	0.00219	0.00595	
SR	0.01543	0.378	0.01546	0.01547	0.01536	
TI	-0.00528	1.195	-0.00523	-0.00535	-0.00525	
TL	-0.00173	360.977	-0.00896	0.00175	0.00201	
V	-0.00302	22.264	-0.00245	-0.00285	-0.00376	
Y	226044.00000	0.379	225438.00000	225670.00000	227024.00000	
ZN	0.00846	4.941	0.00814	0.00830	0.00893	

6573

LANCASTER LABORATORIES

Run Name: 0617305T63

Instrument ID: 06383

Tube: 44

Date/Time: 06/22/2006 18:45

Sample Number: **ICSAB**

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	0.20854	2.701	0.21196	0.20204	0.21162	
AL	489.87950	3.097	499.42621	472.38549	497.82680	
AS	0.10179	1.305	0.10213	0.10032	0.10291	
B	-0.00477	5.375	-0.00487	-0.00496	-0.00448	
BA	0.51086	2.955	0.52080	0.49348	0.51828	
BE	0.48245	2.991	0.49134	0.46579	0.49020	
CA	461.51135	3.269	470.59689	444.09363	469.84352	
CD	0.92954	2.837	0.94520	0.89910	0.94433	
CO	0.46767	3.026	0.47699	0.45139	0.47464	
CR	0.47096	3.104	0.48007	0.45410	0.47871	
CU	0.51791	2.920	0.52741	0.50048	0.52586	
FE	183.84345	3.132	187.34719	177.19846	186.98470	
K	-0.00772	22.716	-0.00680	-0.00975	-0.00662	
MG	517.64747	2.905	526.90341	500.29549	525.74350	
MN	0.49170	2.922	0.50101	0.47516	0.49894	
MO	-0.00274	7.876	-0.00250	-0.00291	-0.00282	
NA	-0.26343	13.203	-0.23333	-0.25545	-0.30150	
NI	0.91908	3.022	0.93849	0.88727	0.93149	
PB	0.05177	0.429	0.05152	0.05187	0.05193	
SB	0.60976	4.244	0.62455	0.57988	0.62486	
SE	0.05302	2.236	0.05362	0.05165	0.05377	
SN	-0.00033	661.349	-0.00284	0.00119	0.00066	
SR	0.01521	3.092	0.01551	0.01467	0.01546	
TI	-0.00531	2.431	-0.00540	-0.00516	-0.00537	
TL	0.08864	1.154	0.08747	0.08932	0.08914	
V	0.47784	3.025	0.48708	0.46118	0.48525	
Y	229072.33333	2.684	225040.00000	236150.00000	226027.00000	
ZN	0.91286	3.171	0.92748	0.87952	0.93158	

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LANCASTER LABORATORIES

Run Name: 0617305T63

Instrument ID: 06383

Tube: 45

Date/Time: 06/22/2006 18:50

Sample Number: **CCV**

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	0.49793	0.209	0.49913	0.49743	0.49724	
AL	24.66861	0.030	24.67284	24.65999	24.67300	
AS	0.49854	0.611	0.50150	0.49870	0.49541	
B	0.50886	0.043	0.50861	0.50902	0.50895	
BA	0.49689	0.104	0.49727	0.49709	0.49630	
BE	0.50376	0.078	0.50419	0.50343	0.50365	
CA	24.28344	0.103	24.27654	24.26269	24.31109	
CD	0.49713	0.251	0.49852	0.49610	0.49678	
CO	0.48929	0.156	0.48931	0.48851	0.49004	
CR	0.49556	0.139	0.49635	0.49504	0.49530	
CU	0.49441	0.106	0.49498	0.49430	0.49395	
FE	25.24990	0.054	25.26397	25.23691	25.24881	
K	25.96182	0.158	25.99833	25.96972	25.91741	
MG	24.55662	0.162	24.58765	24.51166	24.57057	
MN	0.49603	0.065	0.49639	0.49577	0.49593	
MO	0.50449	2.273	0.49129	0.51024	0.51196	
NA	24.09005	0.381	24.11268	23.98911	24.16835	
NI	0.49685	0.257	0.49708	0.49547	0.49799	
PB	0.49700	0.404	0.49921	0.49648	0.49530	
SB	0.49990	0.969	0.50008	0.49497	0.50465	
SE	0.49835	0.621	0.49615	0.49700	0.50189	
SN	0.49326	0.467	0.49060	0.49447	0.49471	
SR	0.50590	0.098	0.50636	0.50596	0.50538	
TI	0.49922	0.067	0.49959	0.49913	0.49895	
TL	0.47960	2.803	0.46441	0.48998	0.48440	
V	0.49433	0.174	0.49498	0.49466	0.49336	
Y	238871.66667	0.150	238556.00000	239261.00000	238798.00000	
ZN	0.49611	0.205	0.49645	0.49498	0.49692	

6575

LANCASTER LABORATORIES

Run Name: 0617305T63

Instrument ID: 06383

Tube: 46

Date/Time: 06/22/2006 18:54

Sample Number: **CCB**

ELEMENT	AVG (ppm)	%RSD	INTEGRATIONS #1	#2	#3	Re-read Re-digest
AG	0.00029	84.579	0.00018	0.00056	0.00012	
AL	-0.00049	275.900	-0.00200	-0.00012	0.00064	
AS	0.00133	268.007	0.00500	-0.00212	0.00111	
B	-0.00056	20.047	-0.00050	-0.00049	-0.00069	
BA	-0.00001	357.835	-0.00001	0.00003	-0.00006	
BE	0.00011	17.345	0.00014	0.00011	0.00010	
CA	-0.01461	4.167	-0.01495	-0.01497	-0.01390	
CD	-0.00027	61.440	-0.00011	-0.00026	-0.00044	
CO	0.00036	90.076	0.00006	0.00070	0.00031	
CR	-0.00006	274.293	0.00012	-0.00011	-0.00019	
CU	-0.00073	16.265	-0.00075	-0.00060	-0.00083	
FE	-0.02299	5.632	-0.02166	-0.02307	-0.02425	
K	0.00350	96.854	0.00728	0.00252	0.00071	
MG	-0.01415	9.914	-0.01388	-0.01290	-0.01567	
MN	0.00003	106.163	0.00006	0.00004	-0.00001	
MO	0.00225	60.081	0.00380	0.00164	0.00131	
NA	-0.11002	23.771	-0.13916	-0.10233	-0.08858	
NI	0.00044	88.488	0.00057	0.00075	0.00000	
PB	0.00096	73.828	0.00055	0.00055	0.00177	
SB	0.00048	255.272	0.00021	0.00183	-0.00059	
SE	0.00307	71.691	0.00336	0.00510	0.00074	
SN	0.00106	20.370	0.00130	0.00102	0.00087	
SR	0.00004	12.937	0.00005	0.00004	0.00004	
TI	0.00003	429.400	0.00005	0.00015	-0.00011	
TL	-0.00716	41.050	-0.00532	-0.01055	-0.00561	
V	0.00000	677.042	-0.00027	0.00038	-0.00011	
Y	239624.33333	0.377	240262.00000	238591.00000	240020.00000	
ZN	-0.00070	120.069	0.00001	-0.00048	-0.00162	

Data Reviewed By: JPH 6/22/06

Data Verified By: [signature] 1281 6-23-06 0576

Extraction/Distillation/Digestion Logs

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Water Digestion Logbook
ICP/GF – 1848/5705/6360

Batch # 061723 1848 001

	Sample #	T	Initial Vol (mL)	Final Vol (mL)	SDG #	ICP (I)	GF (G)
1	4791555	1	50mL	50mL	CBN23	I	
2	1557						
3	1558						
4	1559						
5	1560						
6	1561						
7	1562						
8	4791563						
9	1568						
10	1569						
11	1570				CBN23		
12	5396						
13	4051				MCG59		
14	4052						
15	5722						
16	6451						
17	6455						
18	7770	1				I	
19	4785072	2				I	
20							
Dup (D)	4791566	1	50mL	50mL	CBN23	I	
Spike (R)	4791564				CBN23		
MSD (M)	4791565				CBN23		
Blank	BLANK *						

* A Blank and LCS(s) [same initial volume(s)] were digested in this batch in a similar manner as field samples and adjusted to the same final volume.

Spike Information				
Sample #	Sol'n ID	A	B	8
4791564 (R)	Lot #	A6F059*1	P6.6-148A	
4791565 (M)	Vol Added (mL)	1.0	1.0	
QC LCS	Vol Added (mL)	1.0	1.0	
LCSD				

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Digest Type: ICP/GF(Sb)-SW846
COC (Y/N): yes

Start Time [24:00] ON Hotplate/IN HotBlock: 11:20
End Time [24:00] OFF Hotplate/OUT of HotBlock: 4:16
[May include time for cooling, reagent additions, etc.]

	Notes	Reagents 1:1 HNO_3 Lot # P6-079A Vol Added (mL)	1:1 HCl Lot # P6-136E Vol Added (mL)	HNO_3 Lot # Vol Added (mL)
1	N-10 6-23 26	2mL	5mL	
2				
3				
4				
5				
6				
7				
8				
9				
10				
11	N-10 6-26			
12	P-8 6-28			
13	N-10 6-28			
14	N-10 6-28			
15	N-10 6-30			
16	P-10 6-30			
17				
18	N-10 7-05			
19	N-10 6-16	2.0mL	5.0mL	
20				
Dup	N-10 6-26	2.0mL	5.0mL	
Spike				
MSD				
Blank				

Digest Date: June 22, 2006

Digested by (Init./Emp. #): HJ76X