

## Example Pesticide GC Reports

**Result Report – Form 1**  
**Blank Result Report for Method Blanks**  
**Surrogate Recovery Report—Form 2**  
**MS/MSD Recovery/RPD Report—Form 3**  
**LCS/LCSD Recovery/RPD Report—Form 3**  
**Initial Calibration Report—Form 6**  
**%Difference between columns for detected results—Form 10**  
**Analytical Sequence Run Logs**

**Others not shown:**

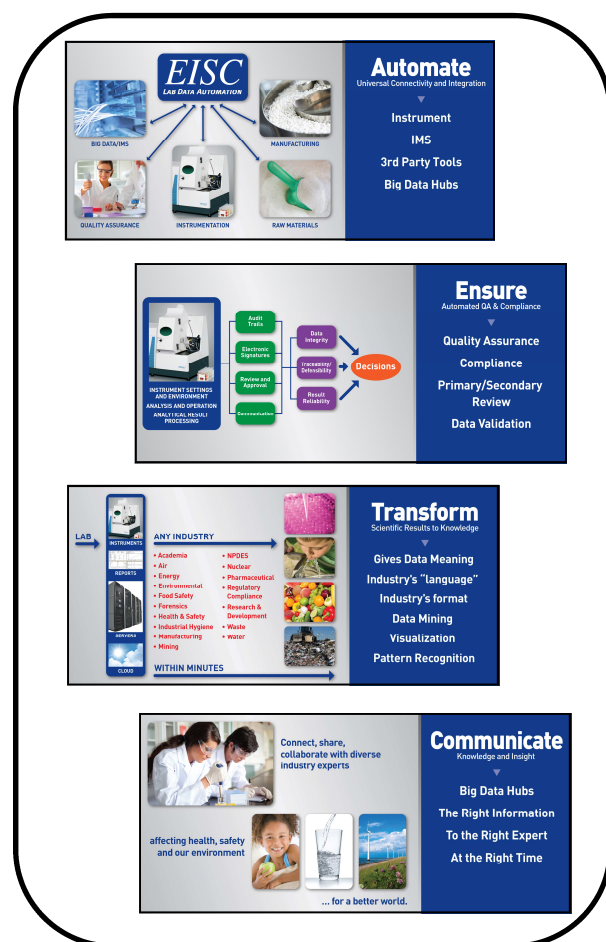
**Method Blank Association Report—Form 4**  
**Initial Calibration Verification Concentration %D Report**  
**Continuing Calibration Concentration %D Report—Form 7**  
**Analytical Checklist Report w/Electronic Signature**  
**Continuing Calibration Verification RRF %D Report**  
**Notification Reports**  
**Detection Summary Report**

**Note:** The example is a generalized report set. The analytical reports may vary for laboratory preference, method requirements, regulatory requirements, and industry of need.

The example reports are used in EISC's:

- Express Report System
- Automated Quality Assurance System
- R & R Suite System (Level 4 deliverable system for potential liability and litigation type deliverables-Assembles EISC reports with instrument chromatograms).

Additionally, all report results can be transferred electronically (non-PDF and/or PDF) to information management systems, central repositories (Big Data Hubs), Excel ...





## Semi Volatile GC Analysis Results

SDG No.:

Client: EISC Client

Sample ID: Sample ID 11

Client ID: Client Sample ID 11

Date Collected: 6/23/2016

Matrix: SOIL

Date Analyzed: 7/7/2016 14:30

File ID: CG7A009.D

Date Extracted: 7/6/2016

Instrument ID: ga17.i

Dilution: 1

Analytical Run ID: 17160707

Sample Wt/Vol: 50.00 g

Extract Vol: 5000 µL

Prep Batch: 43975

% Moisture: 8.9

Prep Method: SONC

Parameter	CAS Number	Concentration	Qual	DL	LOQ	Units
Aldrin	309-00-2	0.002	U	0.002	0.007	ug/Kg
alpha-BHC	319-84-6	0.001	U	0.001	0.007	ug/Kg
beta-BHC	319-85-7	0.003	U	0.003	0.007	ug/Kg
delta-BHC	319-86-8	0.001	U	0.001	0.007	ug/Kg
4,4'-DDD	72-54-8	0.002	U	0.002	0.007	ug/Kg
4,4'-DDE	72-55-9	0.002	U	0.002	0.007	ug/Kg
4,4'-DDT	50-29-3	0.002	U	0.002	0.007	ug/Kg
Dieldrin	60-57-1	0.001	U	0.001	0.007	ug/Kg
Endosulfan I	959-98-8	0.001	U	0.001	0.007	ug/Kg
Endosulfan II	33213-65-9	0.002	U	0.002	0.007	ug/Kg
Endosulfan sulfate	1031-07-8	0.001	U	0.001	0.007	ug/Kg
Endrin aldehyde	7421-93-4	0.003	U	0.003	0.007	ug/Kg
Endrin ketone	53494-70-5	0.001	U	0.001	0.007	ug/Kg
Mirex	2385-85-5	0.001	U	0.001	0.007	ug/Kg
gamma-BHC (Lindane)	58-89-9	0.001	U	0.001	0.007	ug/Kg
Endrin	72-20-8	0.003	U	0.003	0.007	ug/Kg
Heptachlor	76-44-8	0.001	U	0.001	0.007	ug/Kg
Heptachlor epoxide	1024-57-3	0.001	U	0.001	0.007	ug/Kg
Methoxychlor	72-43-5	0.003	U	0.003	0.007	ug/Kg
Toxaphene	8001-35-2	0.063	U	0.063	0.33	ug/Kg
alpha-Chlordane	5103-71-9	0.001	U	0.001	0.007	ug/Kg
gamma-Chlordane	5103-74-2	0.001	U	0.001	0.007	ug/Kg



## Semi Volatile GC Analysis Results

SDG No.: Deliverable ID

Sample ID:	<u>Method Blank</u>	Method Blank ID:	<u>Method Blank</u>
Date Analyzed:	<u>7/7/2016</u> <u>13:12</u>	Matrix:	<u>WATER</u>
Date Extracted:	<u>7/6/2016</u>	File ID:	<u>CG7A004.D</u>
Dilution:	<u>1</u>	Instrument ID:	<u>ga17.i</u>
Sample Wt/Wol:	<u>1000.00</u> mL	Analytical Run ID:	<u>17160707</u>
Analyst ID:	<u>RWS</u>	Extract Vol:	<u>5000</u> µL
Prep Batch:	<u>43975</u>	% Moisture:	<u>0</u>

Parameter	CAS Number	Concentration	Qual	DL	LOQ	Units
Aldrin	309-00-2	0.005	U	0.005	0.020	ug/L
alpha-BHC	319-84-6	0.002	U	0.002	0.020	ug/L
beta-BHC	319-85-7	0.008	U	0.008	0.020	ug/L
delta-BHC	319-86-8	0.003	U	0.003	0.020	ug/L
gamma-BHC (Lindane)	58-89-9	0.003	U	0.003	0.020	ug/L
alpha-Chlordane	5103-71-9	0.003	U	0.003	0.020	ug/L
gamma-Chlordane	5103-74-2	0.003	U	0.003	0.020	ug/L
4,4'-DDD	72-54-8	0.007	U	0.007	0.020	ug/L
4,4'-DDE	72-55-9	0.007	U	0.007	0.020	ug/L
4,4'-DDT	50-29-3	0.006	U	0.006	0.020	ug/L
Dieldrin	60-57-1	0.003	U	0.003	0.020	ug/L
Endosulfan I	959-98-8	0.003	U	0.003	0.020	ug/L
Endosulfan II	33213-65-9	0.006	U	0.006	0.020	ug/L
Endosulfan sulfate	1031-07-8	0.004	U	0.004	0.020	ug/L
Endrin	72-20-8	0.008	U	0.008	0.020	ug/L
Endrin aldehyde	7421-93-4	0.010	U	0.010	0.020	ug/L
Endrin ketone	53494-70-5	0.004	U	0.004	0.020	ug/L
Heptachlor	76-44-8	0.003	U	0.003	0.020	ug/L
Heptachlor epoxide	1024-57-3	0.004	U	0.004	0.020	ug/L
Methoxychlor	72-43-5	0.009	U	0.009	0.020	ug/L
Mirex	2385-85-5	0.004	U	0.004	0.020	ug/L
Toxaphene	8001-35-2	0.19	U	0.19	1.0	ug/L



**GC ORGANICS**  
**SURROGATE PERCENT RECOVERY SUMMARY**

Lab Sample ID	Client Sample ID	Matrix	Parameter	Rec	#	Limits
2552013	MB for HBN 51279 [EXT]/4711]	SOIL	o-Terphenyl	107		62 - 109
		SOIL	Nonatricontane-C39	68		60 - 118
2552014	LCS for HBN 51279 [EXT]/471	SOIL	o-Terphenyl	112	J1	62 - 109
		SOIL	Nonatricontane-C39	65		60 - 118
2552015	MPT-58-CS01-02MS	SOIL	o-Terphenyl	115	J4	62 - 109
		SOIL	Nonatricontane-C39	69		60 - 118
2552016	MPT-58-CS01-02MSD	SOIL	o-Terphenyl	112	J4	62 - 109
		SOIL	Nonatricontane-C39	68		60 - 118
J1712266001	MPT-58-CS01-02	SOIL	o-Terphenyl	121	J4	62 - 109
		SOIL	Nonatricontane-C39	77		60 - 118
J1712266002	MPT-58-CS01-02FD	SOIL	o-Terphenyl	108		62 - 109
		SOIL	Nonatricontane-C39	67		60 - 118
J1712266003	MPT-58-CS02-02	SOIL	o-Terphenyl	110	J4	62 - 109
		SOIL	Nonatricontane-C39	60		60 - 118
J1712266004	MPT-58-CS03-02	SOIL	o-Terphenyl	120	J4	62 - 109
		SOIL	Nonatricontane-C39	75		60 - 118
J1712266005	MPT-58-CS04-02	SOIL	o-Terphenyl	112	J4	62 - 109
		SOIL	Nonatricontane-C39	63		60 - 118
J1712266006	MPT-58-CS05-02	SOIL	o-Terphenyl	115	J4	62 - 109
		SOIL	Nonatricontane-C39	73		60 - 118
J1712266007	MPT-58-CS12-0.5	SOIL	o-Terphenyl	120	J4	62 - 109
		SOIL	Nonatricontane-C39	77		60 - 118
J1712266008	MPT-58-CS15-0.5	SOIL	o-Terphenyl	123	J4	62 - 109
		SOIL	Nonatricontane-C39	71		60 - 118
J1712266010	MPT-58-CS06-02	SOIL	o-Terphenyl	108		62 - 109
		SOIL	Nonatricontane-C39	66		60 - 118
J1712266011	MPT-58-CS07-02	SOIL	o-Terphenyl	113	J4	62 - 109
		SOIL	Nonatricontane-C39	74		60 - 118
J1712266012	MPT-58-CS08-02	SOIL	o-Terphenyl	108		62 - 109
		SOIL	Nonatricontane-C39	70		60 - 118
J1712266013	MPT-58-CS09-02	SOIL	o-Terphenyl	112	J4	62 - 109
		SOIL	Nonatricontane-C39	72		60 - 118
J1712266014	MPT-58-CS10-02	SOIL	o-Terphenyl	123	J4	62 - 109
		SOIL	Nonatricontane-C39	79		60 - 118
J1712266015	MPT-58-CS11-02	SOIL	o-Terphenyl	112	J4	62 - 109
		SOIL	Nonatricontane-C39	72		60 - 118
J1712266016	MPT-58-CS16-0.5	SOIL	o-Terphenyl	121	J4	62 - 109
		SOIL	Nonatricontane-C39	76		60 - 118
J1712266018	MPT-58-CS10-02FD	SOIL	o-Terphenyl	124	J4	62 - 109
		SOIL	Nonatricontane-C39	81		60 - 118
2552017	MPT-58-CS10-02MS	SOIL	o-Terphenyl	122	J4	62 - 109
		SOIL	Nonatricontane-C39	78		60 - 118
2552018	MPT-58-CS10-02MSD	SOIL	o-Terphenyl	120	J4	62 - 109
		SOIL	Nonatricontane-C39	73		60 - 118

# Column used to flag recovery values outside QC limits when an asterisk  
**J4 or J1 (LCS/LCSD) - % Recovery is outside QC Limits**



**LABORATORY CONTROL SAMPLE REPORT  
EPA SW-846 8081**

**LCS Sample ID:** LCS  
**Client Sample ID:** LCS  
**Date Extracted:** 7/6/2016  
**Date Analyzed:** 7/7/2016 13:28  
**Dilution Factor:** 1  
**Prep Batch:** 43975

**GC Column:** RTX-CLP  
**LCS Wgt/Vol:** 1000.0 mL  
**Matrix-Units:** WATER-ug/L  
**Final Volume:** 5000.00 uL  
**% Moisture:** 0.00

<b>Compound</b>	<b>Conc Added</b>	<b>Conc LCS</b>	<b>%Rec LCS</b>	<b>#</b>	<b>QC Limits Recovery</b>
Aldrin	0.500	0.36	71.9	B	45 - 121
alpha-BHC	0.500	0.46	91.5	B	60 - 137
beta-BHC	0.500	0.50	99.1		59 - 139
delta-BHC	0.500	0.52	104	B	59 - 141
gamma-BHC (Lindane)	0.500	0.47	93.0	B	58 - 138
alpha-Chlordane	0.500	0.45	90.4		62 - 131
gamma-Chlordane	0.500	0.45	89.8		60 - 129
4,4'-DDD	0.500	0.46	91.9		58 - 142
4,4'-DDE	0.500	0.49	98.5		61 - 132
4,4'-DDT	0.500	0.48	95.2		58 - 140
Dieldrin	0.500	0.47	94.4		61 - 138
Endosulfan I	0.500	0.39	78.2		53 - 128
Endosulfan II	0.500	0.42	83.6		57 - 142
Endosulfan sulfate	0.500	0.46	91.2		36 - 148
Endrin	0.500	0.50	100		58 - 143
Endrin aldehyde	0.500	0.37	74.9		23 - 139
Endrin ketone	0.500	0.46	91.1		51 - 139
Heptachlor	0.500	0.42	83.0		51 - 124
Heptachlor epoxide	0.500	0.45	90.2		62 - 131
Methoxychlor	0.500	0.50	99.9		56 - 140
Mirex	0.500	0.39	77.7		50 - 130

A = Values outside of QC Limits



**GC ORGANICS**  
**MATRIX SPIKE REPORT**  
**EPA SW-846 8081**

**MS Sample ID:** Sample ID 11MS  
**Client Sample ID:** Client Sample ID 11MS  
**Date Extracted:** 7/6/2016  
**Date Analyzed:** 7/7/2016 14:46  
**MS Data File:** CG7A010.D  
**Prep Batch:** 43975

**GC Column:** RTX-CLP  
**MS Wgt/Vol:** 1000.0 mL  
**Matrix-Units:** WATERug/L  
**Final Volume:** 5000.00 uL  
**% Moisture:** 100.00  
**Dilution Factor:** 1

Compound	Conc		Conc MS	%Rec MS	#	QC Limits Recovery
	Added	Sample				
alpha-Chlordane	10.0	0	9.2	92		62 - 131
Endrin	10.0	0	10.8	108		58 - 143
gamma-BHC (Lindane)	10.0	0	10.2	102		58 - 138
gamma-Chlordane	10.0	0	8.9	89		60 - 129
Heptachlor	10.0	0	8.9	89		51 - 124
Heptachlor epoxide	10.0	0	9.5	95		62 - 131
Methoxychlor	10.0	0	11.5	115		56 - 140

\* = Values outside of QC Limits  
NC = non calculable



## Initial Calibration Data Summary Report (Column 1)

Calibration Start Date/Time: 7/6/2016 11:31  
 Calibration End Date/Time: 7/6/2016 13:05

Instrument ID: ga17.i

### CALIBRATION FACTORS

Data Files:	CG6A003.D		CG6A005.D		CG6A007.D		MEAN	% RSD	Q
	CG6A002.D	CG6A004.D	CG6A006.D	CG6A008.D					
Parameter	RRF0.002	RRF0.005	RRF0.010	RRF0.020	RRF0.050	RRF0.100	RRF0.200		
Aldrin	103865500	102058800	114789100	111051350	11636278	118066230	125102865	11304237	7.16
alpha-BHC	120804500	116121600	130902000	128570300	14036444	143971480	155226650	13370871	10.23
beta-BHC	50193500	43860200	52987700	43567600	45879760	45540490	49149040	47311184	7.47
delta-BHC	94510000	88048400	132012400	104832650	11380334	118063940	132894880	11202365	15.50
gamma-BHC (Lindane)	111140500	102540600	118468400	112455950	11984390	122821490	132803385	11715346	8.23
alpha-Chlordane	98249500	90590000	97653300	92563100	95619560	97402080	105867640	96849311	5.05
gamma-Chlordane	98426000	91436200	101293000	96452350	10014472	102362470	111585870	10024294	6.17
4,4'-DDD	85750	248128	673828	1217100	3336644	6991351	16184190	60184062	1.00
4,4'-DDE	103447	242124	572531	1158558	3321568	7071739	16874836	58651878	1.00
4,4'-DDT	82812	159179	455963	1106221	3248849	6880075	15496714	62380976	1.00
Dieldrin	95940000	86746400	98825000	94681600	10088434	103725580	111254675	98865371	7.77
Endosulfan I	90919000	86312000	92740200	103345000	10815498	107307520	111764730	10007763	9.93
Endosulfan II	73331000	68320200	73382200	81365750	84657760	84310760	89567635	79276472	9.70
Endosulfan sulfate	90474500	69546600	74233300	71128400	75080820	73271220	81618660	76479071	9.49
Endrin	81214500	60675600	78704500	70665000	74811780	77122310	85348170	75505980	10.62
Endrin aldehyde	71880500	58736800	71397300	62352400	68180500	67350470	71404970	67328991	7.50
Endrin ketone	80924500	85870400	87018500	86363300	90284780	87862040	98066055	88055654	5.95
Heptachlor	107263500	90067200	109241300	102184250	10718446	108543410	117174970	10595129	7.83
Heptachlor epoxide	105678000	93870400	105282000	98993550	10078696	100714550	106246415	10165312	4.39
Methoxychlor	36836000	24129200	32674000	28357250	31234720	31144250	34271000	31235203	13.16
Mirex	67375500	64548200	67913400	63924250	63316580	60458880	64618830	64593663	3.89
Decachlorobiphenyl	84185500	65339400	79010050	68667900	67156530	66493330	73546065	72056968	9.96
Tetrachloro-m-xylene	88106500	83248900	87181250	83094300	84428680	83910710	87949373	85417102	2.62

\* - % RSD > 20 will have an associated Regression Report

IDENTIFICATION SUMMARY  
FOR SINGLE COMPONENT ANALYTES

Client Sample ID

2154391011(MS)

Lab Sample ID: 2369862

SDG No.: Deliverable ID

Instrument ID (1): ga17.i

Date(s) Analyzed: 07/07/2016 07/07/2016

Instrument ID (2): ga17.i

GC Column:(1) RTX-CLP1 ID: 0.32 (mm)

GC Column:(2) RTX-CLP2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
gamma-BHC (Lindane)	1	3.67	0.00	0.00	10.2	
	2	4.02	0.00	0.00	10.5	3.48
alpha-Chlordane	1	5.59	0.00	0.00	9.2	
	2	6.37	0.00	0.00	9.6	4.98
gamma-Chlordane	1	5.39	0.00	0.00	8.9	
	2	6.15	0.00	0.00	9.2	2.76
Endrin	1	6.51	0.00	0.00	10.8	
	2	7.23	0.00	0.00	10.9	0.54
Heptachlor	1	4.13	0.00	0.00	8.9	
	2	4.53	0.00	0.00	8.5	4.19
Heptachlor epoxide	1	5.21	0.00	0.00	9.5	
	2	5.85	0.00	0.00	9.9	4.75
Methoxychlor	1	7.59	0.00	0.00	11.5	
	2	8.45	0.00	0.00	14.2	21.07



Run Number            **17160706**  
 Analyst                **RWS**  
 Method                 **EPA SW-846 8081**  
 Instrument ID         **ga17.i**

Seq	Sample ID	Analysis		DF	Matrix	Data File	Prep Batch	Analyst Comments
		Date	Time					
1	DEGRAD	7/6/2016	10:58	1	WATER	CG6A001.D		
2	ICAL1	7/6/2016	11:31	1	WATER	CG6A002.D		
3	ICAL2	7/6/2016	11:47	1	WATER	CG6A003.D		
4	ICAL3	7/6/2016	12:02	1	WATER	CG6A004.D		
5	ICAL4	7/6/2016	12:18	1	WATER	CG6A005.D		
6	ICAL5	7/6/2016	12:33	1	WATER	CG6A006.D		
7	ICAL6	7/6/2016	12:49	1	WATER	CG6A007.D		
8	ICAL7	7/6/2016	13:05	1	WATER	CG6A008.D		
9	ICV070616	7/6/2016	13:20	1	WATER	CG6A009.D		
10	2368876	7/6/2016	13:36	1	SOIL	CG6A010.D	43943	
11	2155117001	7/6/2016	13:52	5	SOIL	CG6A011.D	42339	
12	2369087	7/6/2016	14:07	1	WATER	CG6A012.D	43955	
13	CCV	7/6/2016	14:27	1	WATER	CG6A013.D		
14	2369088	7/6/2016	14:57	1	WATER	CG6A014.D	43955	
15	2368877	7/6/2016	15:13	1	SOIL	CG6A015.D	43943	
16	2155988001	7/6/2016	15:29	5	SOIL	CG6A016.D	43943	
17	2368879	7/6/2016	15:44	5	SOIL	CG6A017.D	43943	
18	2155968001	7/6/2016	16:00	5	SOIL	CG6A018.D	43943	
19	2155968003	7/6/2016	16:15	5	SOIL	CG6A019.D	43943	
20	2155987003	7/6/2016	16:31	5	SOIL	CG6A020.D	43943	
21	2155968005	7/6/2016	16:47	5	SOIL	CG6A021.D	43943	
22	2155987001	7/6/2016	17:02	5	SOIL	CG6A022.D	43943	
23	2155974001	7/6/2016	17:18	1	WATER	CG6A023.D	43955	
24	2369089	7/6/2016	17:34	1	WATER	CG6A024.D	43955	
25	CCV	7/6/2016	17:49	1	WATER	CG6A025.D		
26	2154388001	7/6/2016	18:05	100	SOIL	CG6A026.D	42339	
27	TOX	7/6/2016	18:21	1	WATER	CG6A027.D		
28	CHL	7/6/2016	18:36	1	SOIL	CG6A028.D		
29	CCV	7/6/2016	18:52	1	WATER	CG6A029.D		