Laboratories, Inc.
2479 River Road, Unit A
Grand Junction, CO 81505
(970) 243-5311
Fax (970) 243-6010

CHAIN OF CUSTODY RECORD

06/06/08 1382

Proj. No.

Company Name Marathon Oil Co
Phone # 245-5433
Fax #

SAMPLERS: (Signature) Adell K Heneghan

PRINT NAME: Adell K Heneghan

SAMPLE ANALYSES: 8260 Methanol 06/06/08

SAMPLE NO.	DATE	TIME	MATRIX	PROJECT NAME/ SAMPLE LOCATION	CONTAINER/SIZE/TYPE	PRESERVATIVES	REMARKS	LABORATORY SAMPLE #
#1	06/06/08	12:53p	W	N.P. Faucet	2 gl	N		1382
#2	06/06/08	1:10p	W	N.P. Cistern	2 gl	N		1383
#3	06/06/08	1:45p	W	Non source Spring	2 gl	N		1384
#4	06/06/08	2:00p	W	D.P. Faucet	2 gl	N		1385

TOTAL NO. OF CONTAINERS

Relinquished by: (Signature) Adell K Heneghan — Date / Time 06/06/08 4:40p

Received by: (Signature)

Relinquished by: (Signature)

Date / Time

Received by: (Signature)

Custody Seal No.

Custody Seal Present n Intact n

Date Required

Method of Shipment:

Shipped by: (Signature)

Date Completed:

Received for Laboratory by: (Signature) William M. Sharman — Date / Time 6/6/08 4:40pm

Distribution: Original Accompanies Shipment; Copy to Field Files
Form CC-01-6-92 Rev. 7/97

KEY LABORATORIES, INC.
2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil**
Client Project Name : **Spring**

Lab QC Batch Sample : **08-1385, #4**
Key Lab # : **08-1382**
Work Order # : **0606081382**
Date Recieved : **06/06/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 2300023.D
Date Analyzed : 9 Jun 2008 9:27 pm
Data File Path : C:\MSDCHEM\1\DATA_0806JUN09C\
Lab Sample Information : water, 1Xdil, Marathon Oil
Lab Sample Number : **#1, 08-1382, 0606081382,**

Client Sample Number : **#1**

Sampling Date : **6/6/2008**
Sampling Time : **12:53**
Sample Matrix : **Water**
Sampler : **Adell**

Reported==>> x DF = 1

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc		RDL	Qual	MQL
75-71-8	M1	**dichlorodifluoromethane**	x	5514	0.11	2	ug	1.	<	2.			480
74-87-3	MP1	**chloromethane**	x	0	0.00	2	ug	1.	<	2.			480
75-01-4	MC1	**vinyl chloride**	x	1505	0.04	2	ug	1.	<	2.			480
67-64-1	M1	**acetone**	x	249069	11.38	6.05	ug	1.	**11 ug/L**		6.05	J	480
60-29-7	M1	**diethyl ether**	x	0	0.00	2	ug	1.	<	2.			480
74-83-9	M1	**bromomethane**	x	2961	0.11	2	ug	1.	<	2.			480
75-00-3	M1	**chloroethane**	x	0	0.00	2	ug	1.	<	2.			480
75-69-4	M1	**trichlorofluoromethane**	x	3707	0.06	1	ug	1.	<	1.			480
75-35-4	MC1	**1,1-dichloroethene**	x	0	0.00	1	ug	1.	<	1.			480
75-09-2	M1	**methylene chloride**	x	3172	0.10	1	ug	1.	<	1.			480
76-13-1	M1	**1,1,2-trichlorotrifluoroethane**	x	7771	0.08	1	ug	1.	<	1.			480
107-05-1	M1	**allyl chloride**	x	0	0.00	1	ug	1.	<	1.			480
156-60-5	M1	**trans 1,2-dichloroethene**	x	0	0.00	1	ug	1.	<	1.			480
1634-04-4	M1	**[MTBE] tert-butylmethyl ether**	x	0	0.00	1	ug	1.	<	1.			480
75-34-3	MP1	**1,1-dichloroethane**	x	0	0.00	1	ug	1.	<	1.			480
78-93-3	M1	**[MEK] 2-butanone**	x	0	0.00	2	ug	1.	<	2.			480
156-59-4	M1	**cis 1,2-dichloroethene**	x	1276	0.04	1	ug	1.	<	1.			480
590-20-7	M1	**2,2-dichloropropane**	x	0	0.00	1	ug	1.	<	1.			480
74-97-5	M1	**bromochloromethane**	x	0	0.00	1	ug	1.	<	1.			480
67-66-3	MC1	**chloroform (trichloromethane)**	x	0	0.00	1	ug	1.	<	1.			480
109-99-9	H1	**tetrahydrofruan**	x	20239	0.45	2	ug	1.	<	2.			480
71-55-6	M1	**1,1,1-trichloroethane**	x	0	0.00	1	ug	1.	<	1.			480
107-06-2	M1	**1,2 dichloroethane**	x	1117	0.02	1	ug	1.	<	1.			480
563-58-6	M1	**1,1-dichloropropene**	x	0	0.00	1	ug	1.	<	1.			480
71-43-2	M1	**benzene**	x	116501	0.91	1	ug	1.	<	1.			480
56-26-5	M1	**carbon tetrachloride**	x	0	0.00	1	ug	1.	<	1.			480
79-01-6	M1	**trichloroethene**	x	0	0.00	1	ug	1.	<	1.			480
78-87-5	MC1	**1,2-dichloropropane**	x	0	0.00	1	ug	1.	<	1.			480
74-95-3	M1	**dibromomethane**	x	0	0.00	1	ug	1.	<	1.			480
75-27-4	M1	**bromodichloromethane**	x	0	0.00	1	ug	1.	<	1.			480
10061-01-5	M1	**cis 1,3-dichloropropene**	x	0	0.00	1	ug	1.	<	1.			480
108-10-1	M1	**[MIBK] 4-methyl-2-pentanone**	x	0	0.00	1	ug	1.	<	1.			480
108-88-3	MC1	**toluene**	x	172316	2.11	2.55	ug	1.	<	2.55			480
10061-02-6	M1	**trans 1,3-dichloropropene**	x	0	0.00	1	ug	1.	<	1.			480
79-00-5	M1	**1,1,2-trichloroethane**	x	0	0.00	1	ug	1.	<	1.			480
142-28-9	M2	**1,3-dichloropropane**	x	0	0.00	1	ug	1.	<	1.			480
124-48-1	M2	**dibromochloromethane**	x	0	0.00	1	ug	1.	<	1.			480
127-18-4	M2	**tetrachloroethene**	x	0	0.00	1	ug	1.	<	1.			480
106-93-4	M2	**1,2-dibromoethane**	x	0	0.00	1	ug	1.	<	1.			480
108-90-7	MP2	**chlorobenzene**	x	0	0.00	1	ug	1.	<	1.			480
630-20-6	M2	**1,1,1,2-tetrachloroethane**	x	0	0.00	1	ug	1.	<	1.			480
100-41-4	MC2	**ethylbenzene**	x	45182	0.24	1	ug	1.	<	1.			480
	M2	**m/p xylene**	x	90448	0.81	2.45	ug	1.	<	2.45			960
100-42-5	M2	**styrene**	x	1913	0.02	1	ug	1.	<	1.			480
95-47-6	M2	**o-xylene**	x	6989732	61.46	1	ug	1.	**61 ug/L**		1.		480
75-25-2	MP2	**bromoform**	x	0	0.00	1	ug	1.	<	1.			480
79-34-5	MP2	**1,1,2,2-tetrachloroethane**	x	16504	0.29	1	ug	1.	<	1.			480
98-82-8	M2	**isopropylbenzene**	x	4653	0.03	1	ug	1.	<	1.			480
96-18-4	M2	**1,2,3-trichloropropane**	x	0	0.00	1	ug	1.	<	1.			480
108-86-1	M2	**bromobenzene**	x	0	0.00	1	ug	1.	<	1.			480
95-49-8	M2	**2-chlorotoluene**	x	0	0.00	1	ug	1.	<	1.			480
103-65-1	M2	**n-propylbenzene**	x	0	0.00	1	ug	1.	<	1.			480

KEY LABORATORIES, INC.
2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil**
Client Project Name : **Spring**

Client Sample Number : **#1**

Sampling Date : **6/6/2008**
Sampling Time : **12:53**
Sample Matrix : **Water**
Sampler : **Adell**

Lab QC Batch Sample : **08-1385, #4**
Key Lab # : **08-1382**
Work Order # : **0606081382**
Date Recieved : **06/06/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 2300023.D
Date Analyzed : 9 Jun 2008 9:27 pm
Data File Path : C:\MSDCHEM\1\DATA_0806JUN09C\
Lab Sample Information : water, 1Xdil, Marathon Oil
Lab Sample Number : **#1, 08-1382, 0606081382,**

Reported==>> x DF = 1

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc	RDL	Qual	MQL
106-43-4	M2	**4-chlorotoluene**	x	0	0.00	1	ug	1.	<	1.		480
108-67-8	M2	**1,3,5-trimethylbenzene**	x	2207981	19.80	1	ug	1.	**20 ug/L**	1.		480
98-06-6	M2	**tert-butylbenzene**	x	11290	0.12	1	ug	1.	<	1.		480
95-63-6	M2	**1,2,4-trimethylbenzene**	x	33276	0.30	1	ug	1.	<	1.		480
96-12-8	M2	**1.2-dibromo-3-chloropropane**	x	0	0.00	1	ug	1.	<	1.		480
541-73-1	M3	**1,3-dichlorobenzene**	x	3007	0.05	1	ug	1.	<	1.		480
99-87-6	M3	**p-isopropyltoluene**	x	25340	0.22	1	ug	1.	<	1.		480
135-98-8	M3	**sec-butylbenzene**	x	9599	0.07	1	ug	1.	<	1.		480
106-46-7	M3	**1,4-dichlorobenzene**	x	5227	0.08	1	ug	1.	<	1.		480
95-50-1	M3	**1,2-dichlorobenzene**	x	3777	0.06	1	ug	1.	<	1.		480
104-51-8	M3	**n-butylbenzene**	x	4679	0.04	1	ug	1.	<	1.		480
87-61-6	M3	**1,2,4-trichlorobenzene**	x	7446	0.09	2	ug	1.	<	2.		480
87-68-3	M3	**hexachlorobutadiene**	x	4284	0.09	2	ug	1.	<	2.		480
91-20-3	M3	**napthylene**	x	60856	0.72	2	ug	1.	<	2.		480
120-82-1	M3	**1,2,3-trichlorobenzene**	x	5569	0.08	2	ug	1.	<	2.		480

CAS#	Type	System Monitoring Compounds	Resp.	Amt.	Area%	Units		Water Limits	r Limits		Soil Limits	Spike	%Rec
1868-53-7	S1	**dibromofluoromethane**	4947984	69.06	**95**	ug	5211326	65 -	135	50 -	150	69.9	**98.8**
17060-07-0	M1	**1,2 dichloroethane-d4**	2161942	73.12	**101**	ug	2150224	65 -	135	50 -	150	69.9	**104.6**
2037-26-5	S1	**toluene-d8**	4113326	57.29	**78**	ug	5285330	65 -	135	50 -	150	69.9	**82.**
460-00-4	S2	**4-bromofluorobenzene**	5033963	75.02	**91**	ug	5531588	65 -	135	50 -	150	69.9	**107.3**

CAS#	Type	Internal Stanard Compounds	Resp.	Amt.	Area%	Units		Spike
462-06-6	I1	**fluorbenzene**	8141701	69.90	**96**	ug	8484018	69.9
3114-55-4	I2	**chlorobenzene-d5**	4251794	69.90	**84**	ug	5060990	69.9
3855-82-1	I3	**1,4-dichlorobenzene-d4**	3177952	69.90	**82**	ug	3894374	69.9

MDL = Method Detection Limit
PQL = Practical Quantition Limit = 4 x MDL
RDL = Reporting Detection Limit = MDL x Dilution Factor
MQL = Maximum Quantitation Limit = 110% x DF x Highest Calibration Standard

Reporting basis is Kg for solids and L for liquids

J qualifier = MDL < Result < PQL
E qualifier = Estimated Result > Highest Calibration Standard

Analyst

Approved

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun09c\
Data File : 2300023.D
Acq On : 9 Jun 2008 9:27 pm
Operator : KEY
Sample : #1, 08-1382, 0606081382,
Misc : water, 1Xdil, Marathon Oil
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 10 16:06:13 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorbenzene	4.26	96	8141701	69.90	ug	0.00
40) chlorobenzene-d5	9.34	54	4251794+	69.90	ug	0.00
64) 1,4-dichlorobenzene-d4	13.71	154	3177952+	69.90	ug	0.00
System Monitoring Compounds						
22) dibromofluoromethane	2.91	113	4947984+	69.06	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 98.80%			
25) 1,2 dichloroethane-d4	3.34	104	2161942+	73.12	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 104.61%			
36) toluene-d8	6.91	100	4113326	57.29	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 81.96%			
55) 4-bromofluorobenzene	11.75	174	5033963+	75.02	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 107.32%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.96	85	5514	0.11	ug #	53
3) chloromethane	0.00	50	0	N.D.		
4) vinyl chloride	1.07	62	1505	0.04	ug #	38
5) acetone	1.50	58	249069+	11.38	ug #	75
6) diethyl ether	0.00	74	0+	N.D.		
7) bromomethane	1.20	94	2961	0.11	ug #	1
8) chloroethane	0.00	64	0	N.D.		
9) trichlorofluoromethane	1.44	101	3707	0.06	ug #	93
10) 1,1-dichloroethene	0.00	96	0	N.D.		
11) methylene chloride	1.71	84	3172	0.10	ug #	75
12) 1,1,2-trichlorotrifluoroet	1.75	151	7771+	0.08	ug	77
13) allyl chloride	0.00	78	0+	N.D.		
14) trans 1,2-dichloroethene	0.00	96	0	N.D.		
15) [MTBE] tert-butylmethyl et	0.00	73	0	N.D.		
16) 1,1-dichloroethane	0.00	63	0	N.D.		
17) [MEK] 2-butanone	0.00	72	0+	N.D.		
18) cis 1,2-dichloroethene	2.62	96	1276	0.04	ug #	4
19) 2,2-dichloropropane	0.00	77	0+	N.D.		
20) bromochloromethane	0.00	128	0+	N.D.		
21) chloroform (trichlorometha	0.00	83	0	N.D.		
23) tetrahydrofruan	3.11	71	20239m+	0.45	ug	
24) 1,1,1-trichloroethane	0.00	97	0+	N.D.		
26) 1,2 dichloroethane	3.41	62	1117	0.02	ug #	12
27) 1,1-dichloropropene	0.00	75	0	N.D.		
28) benzene	3.96	78	116501	0.91	ug	100
29) carbon tetrachloride	0.00	117	0+	N.D.		
30) trichloroethene	0.00	130	0+	N.D.		
31) 1,2-dichloropropane	0.00	63	0	N.D.		
32) dibromomethane	0.00	174	0	N.D.		
33) bromodichloromethane	0.00	83	0	N.D.		
34) cis 1,3-dichloropropene	0.00	75	0	N.D.		
35) [MIBK] 4-methyl-2-pentanon	0.00	58	0+	N.D.		
37) toluene	7.02	92	172316	2.11	ug	92
38) trans 1,3-dichloropropene	0.00	75	0	N.D.		
39) 1,1,2-trichloroethane	0.00	83	0	N.D.		
41) 1,3-dichloropropane	0.00	76	0	N.D.		
42) dibromochloromethane	0.00	129	0	N.D.		
43) tetrachloroethene	0.00	166	0+	N.D.		

Data Path : C:\MSDChem\1\DATA_0806jun09c\
Data File : 2300023.D
Acq On : 9 Jun 2008 9:27 pm
Operator : KEY
Sample : #1, 08-1382, 0606081382,
Misc : water, 1Xdil, Marathon Oil
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 10 16:06:13 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25
:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration

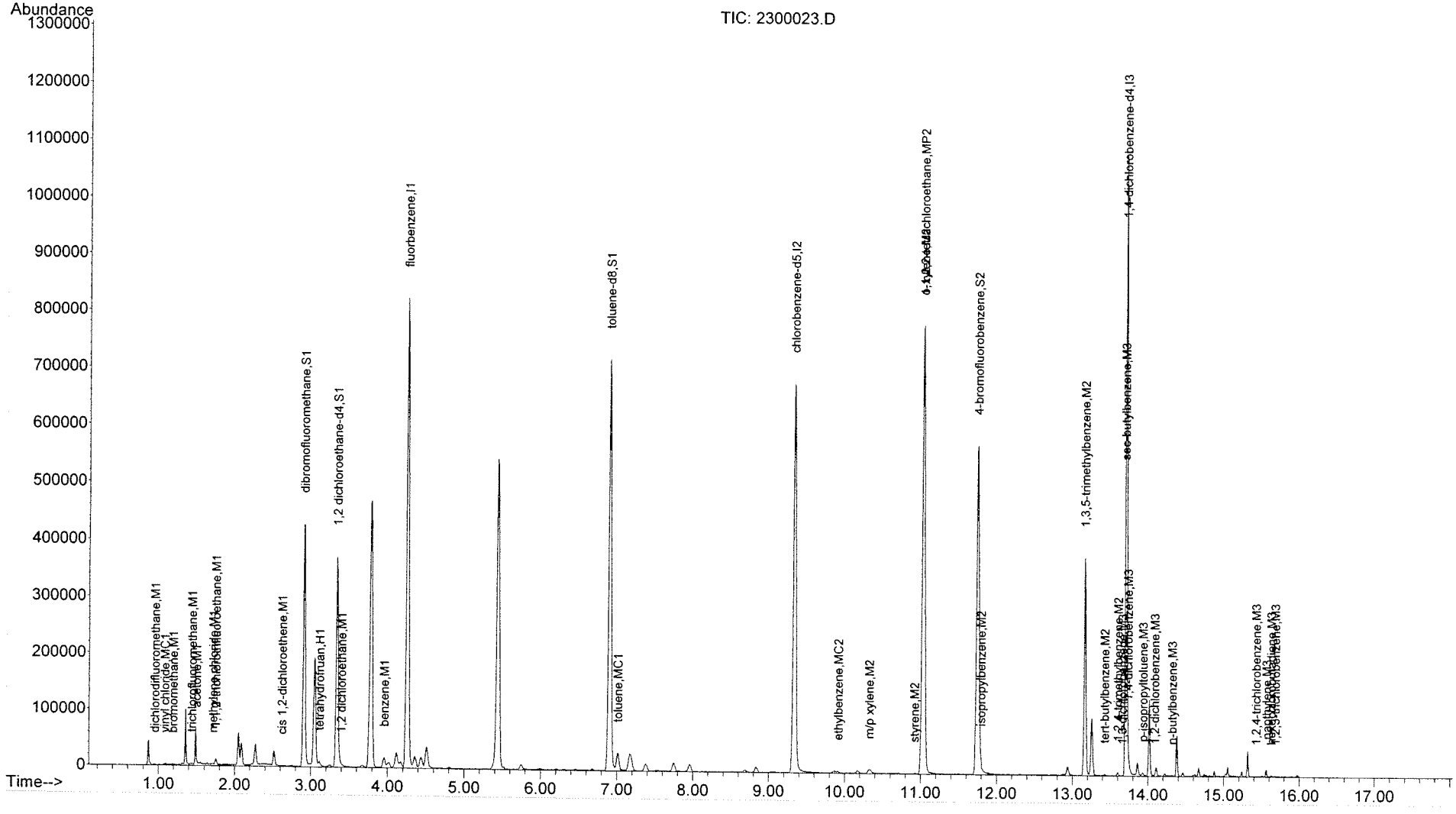
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 1,2-dibromoethane	0.00	107	0	N.D.			
45) chlorobenzene	0.00	112	0	N.D.			
46) 1,1,1,2-tetrachloroethane	0.00	131	0+	N.D.			
47) ethylbenzene	9.92	91	45182+	0.24	ug		81
48) m/p xylene	10.33	91	90448	0.81	ug		98
49) styrene	10.92	104	1913m	0.02	ug		
50) o-xylene	11.03	91	6989732	61.46	ug		99
51) bromoform	0.00	173	0	N.D.			
52) 1,1,2,2-tetrachloroethane	11.03	83	16504+	0.29	ug		25
53) isopropylbenzene	11.80	105	4653	0.03	ug	#	1
54) 1,2,3-trichloropropane	0.00	75	0	N.D.			
56) bromobenzene	0.00	156	0	N.D.			
57) 2-chlorotoluene	0.00	126	0	N.D.			
58) n-propylbenzene	0.00	120	0	N.D.			
59) 4-chlorotoluene	0.00	126	0	N.D.			
60) 1,3,5-trimethylbenzene	13.17	105	2207981	19.80	ug		99
61) tert-butylbenzene	13.42	119	11290	0.12	ug		95
62) 1,2,4-trimethylbenzene	13.60	105	33276	0.30	ug		98
63) 1.2-dibromo-3-chloropropan	0.00	157	0	N.D.			
65) 1,3-dichlorobenzene	13.65	146	3007	0.05	ug	#	1
66) p-isopropyltoluene	13.93	119	25340	0.22	ug	#	83
67) sec-butylbenzene	13.69	105	9599	0.07	ug	#	1
68) 1,4-dichlorobenzene	13.74	146	5227	0.08	ug	#	54
69) 1,2-dichlorobenzene	14.08	146	3777	0.06	ug	#	24
70) n-butylbenzene	14.32	91	4679	0.04	ug	#	28
71) 1,2,4-trichlorobenzene	15.43	180	7446+	0.09	ug		85
72) hexachlorobutadiene	15.63	225	4284+	0.09	ug		63
73) napthylene	15.56	128	60856	0.72	ug	#	98
74) 1,2,3-trichlorobenzene	15.67	180	5569+	0.08	ug		81

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun09c\
Data File : 2300023.D
Acq On : 9 Jun 2008 9:27 pm
Operator : KEY
Sample : #1, 08-1382, 0606081382,
Misc : water, 1Xdil, Marathon Oil
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 10 16:06:13 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration



KEY LABORATORIES, INC.
2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil**
Client Project Name : **Spring**

Lab QC Batch Sample : **08-1385, #4**
Key Lab # : **08-1383**
Work Order # : **0606081382**
Date Recieved : **06/06/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 0500005.D
Date Analyzed : 10 Jun 2008 2:55 pm
Data File Path : C:\MSDCHEM\1\DATA_0806JUN10\
Lab Sample Information : water, 1Xdil, Marathon Oil
Lab Sample Number : **#2, 08-1383, 1X, 0606081382,**

Client Sample Number : **#2**

Sampling Date : **6/6/2008**
Sampling Time : **13:10**
Sample Matrix : **Water**
Sampler : **Adell**

Reported==>> x DF = 1

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc	RDL	Qual	MQL
75-71-8	M1	**dichlorodifluoromethane**	x	2122	0.04	2	ug	1.	<	2.		480
74-87-3	MP1	**chloromethane**	x	2458	0.06	2	ug	1.	<	2.		480
75-01-4	MC1	**vinyl chloride**	x	0	0.00	2	ug	1.	<	2.		480
67-64-1	M1	**acetone**	x	368613	17.20	3.8	ug	1.	**17 ug/L**	3.8		480
60-29-7	M1	**diethyl ether**	x	0	0.00	2	ug	1.	<	2.		480
74-83-9	M1	**bromomethane**	x	1678	0.07	2	ug	1.	<	2.		480
75-00-3	M1	**chloroethane**	x	0	0.00	2	ug	1.	<	2.		480
75-69-4	M1	**trichlorofluoromethane**	x	2197	0.04	1	ug	1.	<	1.		480
75-35-4	MC1	**1,1-dichloroethene**	x	0	0.00	1	ug	1.	<	1.		480
75-09-2	M1	**methylene chloride**	x	1562	0.05	1	ug	1.	<	1.		480
76-13-1	M1	**1,1,2-trichlorotrifluoroethane**	x	0	0.00	1	ug	1.	<	1.		480
107-05-1	M1	**allyl chloride**	x	49403	0.75	1	ug	1.	<	1.		480
156-60-5	M1	**trans 1,2-dichloroethene**	x	0	0.00	1	ug	1.	<	1.		480
1634-04-4	M1	**[MTBE] tert-butylmethyl ether**	x	0	0.00	1	ug	1.	<	1.		480
75-34-3	MP1	**1,1-dichloroethane**	x	0	0.00	1	ug	1.	<	1.		480
78-93-3	M1	**[MEK] 2-butanone**	x	0	0.00	2	ug	1.	<	2.		480
156-59-4	M1	**cis 1,2-dichloroethene**	x	0	0.00	1	ug	1.	<	1.		480
590-20-7	M1	**2,2-dichloropropane**	x	0	0.00	1	ug	1.	<	1.		480
74-97-5	M1	**bromochloromethane**	x	0	0.00	1	ug	1.	<	1.		480
67-66-3	MC1	**chloroform (trichloromethane)**	x	0	0.00	1	ug	1.	<	1.		480
109-99-9	H1	**tetrahydrofruan**	x	5851	0.13	2	ug	1.	<	2.		480
71-55-6	M1	**1,1,1-trichloroethane**	x	0	0.00	1	ug	1.	<	1.		480
107-06-2	M1	**1,2 dichloroethane**	x	0	0.00	1	ug	1.	<	1.		480
563-58-6	M1	**1,1-dichloropropene**	x	3715	0.08	1	ug	1.	<	1.		480
71-43-2	M1	**benzene**	x	9046281	72.52	1	ug	1.	**73 ug/L**	1.		480
56-26-5	M1	**carbon tetrachloride**	x	0	0.00	1	ug	1.	<	1.		480
79-01-6	M1	**trichloroethene**	x	0	0.00	1	ug	1.	<	1.		480
78-87-5	MC1	**1,2-dichloropropane**	x	0	0.00	1	ug	1.	<	1.		480
74-95-3	M1	**dibromomethane**	x	0	0.00	1	ug	1.	<	1.		480
75-27-4	M1	**bromodichloromethane**	x	0	0.00	1	ug	1.	<	1.		480
10061-01-5	M1	**cis 1,3-dichloropropene**	x	0	0.00	1	ug	1.	<	1.		480
108-10-1	M1	**[MIBK] 4-methyl-2-pentanone**	x	0	0.00	1	ug	1.	<	1.		480
108-88-3	MC1	**toluene**	x	14179398	177.30	2	ug	1.	**180 ug/L**	2.		480
10061-02-6	M1	**trans 1,3-dichloropropene**	x	0	0.00	1	ug	1.	<	1.		480
79-00-5	M1	**1,1,2-trichloroethane**	x	0	0.00	1	ug	1.	<	1.		480
142-28-9	M2	**1,3-dichloropropane**	x	112264	2.52	1	ug	1.	**2.5 ug/L**	1.	J	480
124-48-1	M2	**dibromochloromethane**	x	0	0.00	1	ug	1.	<	1.		480
127-18-4	M2	**tetrachloroethene**	x	0	0.00	1	ug	1.	<	1.		480
106-93-4	M2	**1,2-dibromoethane**	x	0	0.00	1	ug	1.	<	1.		480
108-90-7	MP2	**chlorobenzene**	x	0	0.00	1	ug	1.	<	1.		480
630-20-6	M2	**1,1,1,2-tetrachloroethane**	x	0	0.00	1	ug	1.	<	1.		480
100-41-4	MC2	**ethylbenzene**	x	31801	0.16	1	ug	1.	<	1.		480
	M2	**m/p xylene**	x	102800075	878.71	1	ug	1.	**880 ug/L**	1.		960
100-42-5	M2	**styrene**	x	934	0.01	1	ug	1.	<	1.		480
95-47-6	M2	**o-xylene**	x	25346053	212.05	1	ug	1.	**210 ug/L**	1.		480
75-25-2	MP2	**bromoform**	x	0	0.00	1	ug	1.	<	1.		480
79-34-5	MP2	**1,1,2,2-tetrachloroethane**	x	0	0.00	1	ug	1.	<	1.		480
98-82-8	M2	**isopropylbenzene**	x	2845	0.02	1	ug	1.	<	1.		480
96-18-4	M2	**1,2,3-trichloropropane**	x	0	0.00	1	ug	1.	<	1.		480
108-86-1	M2	**bromobenzene**	x	0	0.00	1	ug	1.	<	1.		480
95-49-8	M2	**2-chlorotoluene**	x	0	0.00	1	ug	1.	<	1.		480
103-65-1	M2	**n-propylbenzene**	x	0	0.00	1	ug	1.	<	1.		480

KEY LABORATORIES, INC.
2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil**
Client Project Name : **Spring**

Lab QC Batch Sample : **08-1385, #4**
Key Lab # : **08-1383**
Work Order # : **0606081382**
Date Recieved : **06/06/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 0500005.D
Date Analyzed : 10 Jun 2008 2:55 pm
Data File Path : C:\MSDCHEM\1\DATA_0806JUN10\
Lab Sample Information : water, 1Xdil, Marathon Oil
Lab Sample Number : **#2, 08-1383, 1X, 0606081382,**

Client Sample Number : **#2**

Sampling Date : **6/6/2008**
Sampling Time : **13:10**
Sample Matrix : **Water**
Sampler : **Adell**

Reported==>> **x** **DF = 1**

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc	RDL	Qual	MQL
106-43-4	M2	**4-chlorotoluene**	x	0	0.00	1	ug	1.	<	1.		480
108-67-8	M2	**1,3,5-trimethylbenzene**	x	11085158	94.57	1	ug	1.	**95 ug/L**	1.		480
98-06-6	M2	**tert-butylbenzene**	x	19672	0.19	1	ug	1.	<	1.		480
95-63-6	M2	**1,2,4-trimethylbenzene**	x	4740695	40.63	1	ug	1.	**41 ug/L**	1.		480
96-12-8	M2	**1.2-dibromo-3-chloropropane**	x	0	0.00	1	ug	1.	<	1.		480
541-73-1	M3	**1,3-dichlorobenzene**	x	2961	0.04	1	ug	1.	<	1.		480
99-87-6	M3	**p-isopropyltoluene**	x	42056	0.34	1	ug	1.	<	1.		480
135-98-8	M3	**sec-butylbenzene**	x	4765757	30.52	1	ug	1.	**31 ug/L**	1.		480
106-46-7	M3	**1,4-dichlorobenzene**	x	2223	0.03	1	ug	1.	<	1.		480
95-50-1	M3	**1,2-dichlorobenzene**	x	0	0.00	1	ug	1.	<	1.		480
104-51-8	M3	**n-butylbenzene**	x	18860	0.16	1	ug	1.	<	1.		480
87-61-6	M3	**1,2,4-trichlorobenzene**	x	0	0.00	2	ug	1.	<	2.		480
87-68-3	M3	**hexachlorobutadiene**	x	0	0.00	2	ug	1.	<	2.		480
91-20-3	M3	**napthylene**	x	297848	3.27	2	ug	1.	**3.3 ug/L**	2.	J	480
120-82-1	M3	**1,2,3-trichlorobenzene**	x	5664	0.07	2	ug	1.	<	2.		480

CAS#	Type	System Monitoring Compounds	Resp.	Amt.	Area%	Units		Water Limits	r Limits		Soil Limits	Spike	%Rec
1868-53-7	S1	**dibromofluoromethane**	4544517	64.78	**87**	ug	5211326	65 -	135	50 -	150	69.9	**92.7**
17060-07-0	M1	**1,2 dichloroethane-d4**	1988555	68.69	**92**	ug	2150224	65 -	135	50 -	150	69.9	**98.3**
2037-26-5	S1	**toluene-d8**	4848726	68.97	**92**	ug	5285330	65 -	135	50 -	150	69.9	**98.7**
460-00-4	S2	**4-bromofluorobenzene**	5041320	71.48	**91**	ug	5531588	65 -	135	50 -	150	69.9	**102.3**

CAS#	Type	Internal Stanard Compounds	Resp.	Amt.	Area%	Units		Spike
462-06-6	I1	**fluorbenzene**	7972122	69.90	**94**	ug	8484018	69.9
3114-55-4	I2	**chlorobenzene-d5**	4468863	69.90	**88**	ug	5060990	69.9
3855-82-1	I3	**1,4-dichlorobenzene-d4**	3431845	69.90	**88**	ug	3894374	69.9

MDL = Method Detection Limit
PQL = Practical Quantition Limit = 4 x MDL
RDL = Reporting Detection Limit = MDL x Dilution Factor
MQL = Maximum Quantitation Limit = 110% x DF x Highest Calibration Standard

Reporting basis is Kg for solids and L for liquids

J qualifier = MDL < Result < PQL
E qualifier = Estimated Result > Highest Calibration Standard

Analyst

Approved

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA_0806JUN10\
Data File : 0500005.D
Acq On : 10 Jun 2008 2:55 pm
Operator : KEY
Sample : #2, 08-1383, 1X, 0606081382,
Misc : water, 1Xdil, Marathon Oil
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 10 16:13:09 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorbenzene	4.26	96	7972122	69.90	ug		0.00
40) chlorobenzene-d5	9.33	54	4468863+	69.90	ug		0.00
64) 1,4-dichlorobenzene-d4	13.71	154	3431845+	69.90	ug		0.00
System Monitoring Compounds							
22) dibromofluoromethane	2.91	113	4544517+	64.78	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 92.68%				
25) 1,2 dichloroethane-d4	3.34	104	1988555+	68.69	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 98.27%				
36) toluene-d8	6.91	100	4848726	68.97	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 98.67%				
55) 4-bromofluorobenzene	11.75	174	5041320+	71.48	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 102.26%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.96	85	2122	0.04	ug	#	53
3) chloromethane	1.02	50	2458	0.06	ug	#	53
4) vinyl chloride	0.00	62	0	N.D.			
5) acetone	1.50	58	368613+	17.20	ug	#	74
6) diethyl ether	0.00	74	0+	N.D.			
7) bromomethane	1.20	94	1678	0.07	ug	#	1
8) chloroethane	0.00	64	0	N.D.			
9) trichlorofluoromethane	1.44	101	2197	0.04	ug	#	31
10) 1,1-dichloroethene	0.00	96	0	N.D.			
11) methylene chloride	1.71	84	1562	0.05	ug	#	46
12) 1,1,2-trichlorotrifluoroet	0.00	151	0+	N.D.			
13) allyl chloride	1.78	78	49403+	0.75	ug		86
14) trans 1,2-dichloroethene	0.00	96	0	N.D.			
15) [MTBE] tert-butylmethyl et	0.00	73	0	N.D.			
16) 1,1-dichloroethane	0.00	63	0	N.D.			
17) [MEK] 2-butanone	0.00	72	0+	N.D.			
18) cis 1,2-dichloroethene	0.00	96	0	N.D.			
19) 2,2-dichloropropane	0.00	77	0+	N.D.			
20) bromochloromethane	0.00	128	0+	N.D.			
21) chloroform (trichlorometha	0.00	83	0	N.D.			
23) tetrahydrofruan	3.11	71	5851m+	0.13	ug		
24) 1,1,1-trichloroethane	0.00	97	0+	N.D.			
26) 1,2 dichloroethane	0.00	62	0	N.D.			
27) 1,1-dichloropropene	3.79	75	3715	0.08	ug	#	1
28) benzene	3.96	78	9046281	72.52	ug		99
29) carbon tetrachloride	0.00	117	0+	N.D.			
30) trichloroethene	0.00	130	0+	N.D.			
31) 1,2-dichloropropane	0.00	63	0	N.D.			
32) dibromomethane	0.00	174	0	N.D.			
33) bromodichloromethane	0.00	83	0	N.D.			
34) cis 1,3-dichloropropene	0.00	75	0	N.D.			
35) [MIBK] 4-methyl-2-pentanon	0.00	58	0+	N.D.			
37) toluene	7.01	92	14179398	177.30	ug		100
38) trans 1,3-dichloropropene	0.00	75	0	N.D.			
39) 1,1,2-trichloroethane	0.00	83	0	N.D.			
41) 1,3-dichloropropane	7.01	76	112264	2.52	ug	#	1
42) dibromochloromethane	0.00	129	0	N.D.			
43) tetrachloroethene	0.00	166	0+	N.D.			

Data Path : C:\MSDCHEM\1\DATA_0806JUN10\
Data File : 0500005.D
Acq On : 10 Jun 2008 2:55 pm
Operator : KEY
Sample : #2, 08-1383, 1X, 0606081382,
Misc : water, 1Xdil, Marathon Oil
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 10 16:13:09 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25
:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration

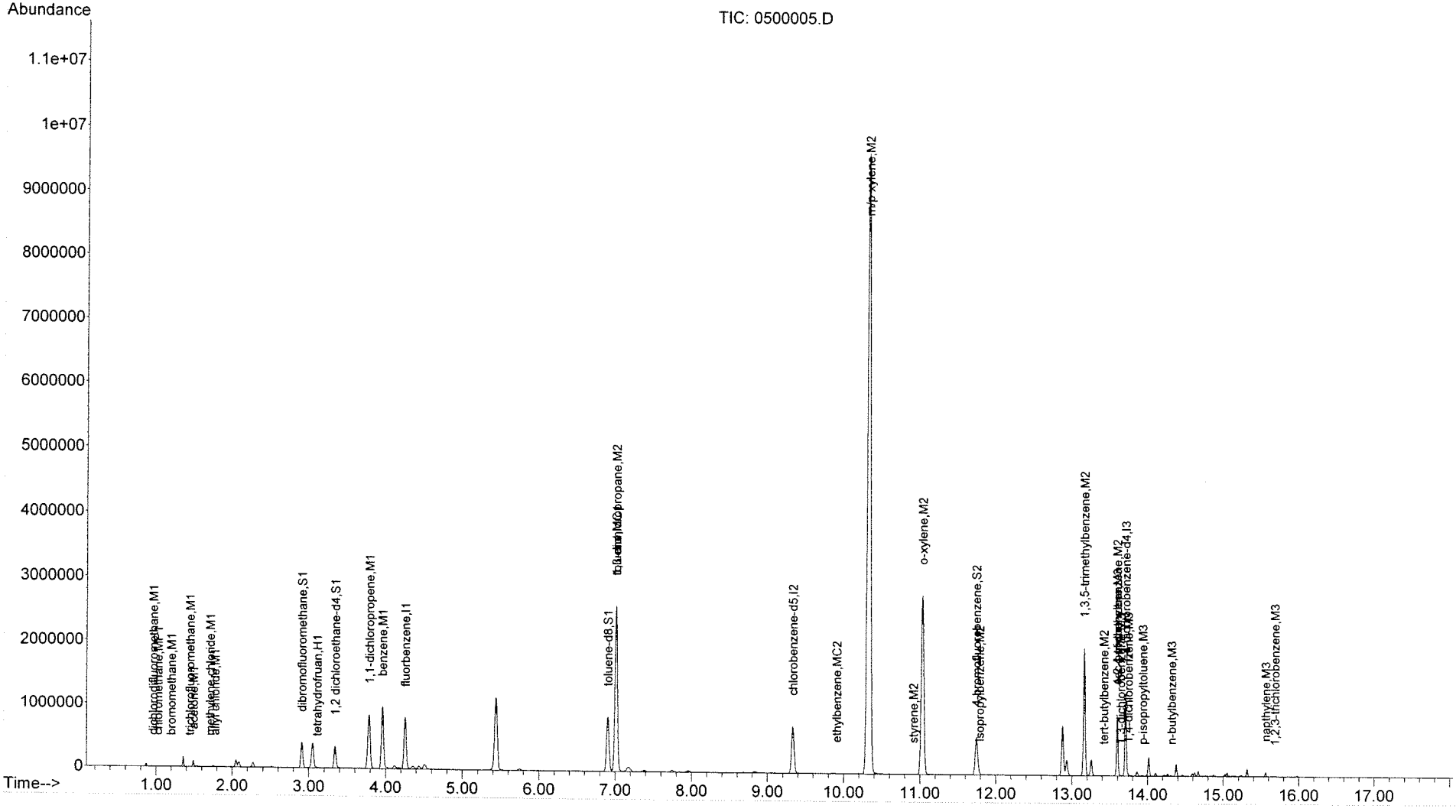
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 1,2-dibromoethane	0.00	107	0	N.D.			
45) chlorobenzene	0.00	112	0	N.D.			
46) 1,1,1,2-tetrachloroethane	0.00	131	0+	N.D.			
47) ethylbenzene	9.92	91	31801+	0.16	ug		81
48) m/p xylene	10.33	91	102800075	878.71	ug		99
49) styrene	10.91	104	934m	0.01	ug		
50) o-xylene	11.04	91	25346053	212.05	ug		99
51) bromoform	0.00	173	0	N.D.			
52) 1,1,2,2-tetrachloroethane	0.00	83	0+	N.D.			
53) isopropylbenzene	11.79	105	2845	0.02	ug	#	37
54) 1,2,3-trichloropropane	0.00	75	0	N.D.			
56) bromobenzene	0.00	156	0	N.D.			
57) 2-chlorotoluene	0.00	126	0	N.D.			
58) n-propylbenzene	0.00	120	0	N.D.			
59) 4-chlorotoluene	0.00	126	0	N.D.			
60) 1,3,5-trimethylbenzene	13.16	105	11085158	94.57	ug		100
61) tert-butylbenzene	13.42	119	19672	0.19	ug		92
62) 1,2,4-trimethylbenzene	13.60	105	4740695	40.63	ug		99
63) 1.2-dibromo-3-chloropropan	0.00	157	0	N.D.			
65) 1,3-dichlorobenzene	13.65	146	2961	0.04	ug	#	25
66) p-isopropyltoluene	13.93	119	42056	0.34	ug	#	65
67) sec-butylbenzene	13.60	105	4765757	30.52	ug	#	36
68) 1,4-dichlorobenzene	13.74	146	2223	0.03	ug	#	1
69) 1,2-dichlorobenzene	0.00	146	0	N.D.			
70) n-butylbenzene	14.32	91	18860	0.16	ug	#	63
71) 1,2,4-trichlorobenzene	0.00	180	0+	N.D.			
72) hexachlorobutadiene	0.00	225	0+	N.D.			
73) napthylene	15.56	128	297848	3.27	ug	#	98
74) 1,2,3-trichlorobenzene	15.67	180	5664+	0.07	ug		75

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA_0806JUN10\
Data File : 0500005.D
Acq On : 10 Jun 2008 2:55 pm
Operator : KEY
Sample : #2, 08-1383, 1X, 0606081382,
Misc : water, 1Xdil, Marathon Oil
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 10 16:13:09 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration



KEY LABORATORIES, INC.
2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil**
Client Project Name : **Spring**

Lab QC Batch Sample : **08-1385, #4**
Key Lab # : **08-1384**
Work Order # : **0606081382**
Date Recieved : **06/06/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 2500025.D
Date Analyzed : 9 Jun 2008 10:17 pm
Data File Path : C:\MSDCHEM\1\DATA_0806JUN09C\
Lab Sample Information : water, 1Xdil, Marathon Oil
Lab Sample Number : **#3, 08-1384, 0606081382,**

Client Sample Number : **#3**

Sampling Date : **6/6/2008**
Sampling Time : **13:45**
Sample Matrix : **Water**
Sampler : **Adell**

Reported==>> x DF = 1

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc		RDL	Qual	MQL
75-71-8	M1	**dichlorodifluoromethane**	x	2615	0.05	2	ug	1.	<	2.			480
74-87-3	MP1	**chloromethane**	x	1335	0.03	2	ug	1.	<	2.			480
75-01-4	MC1	**vinyl chloride**	x	0	0.00	2	ug	1.	<	2.			480
67-64-1	M1	**acetone**	x	108649	4.83	6.05	ug	1.	<	6.05			480
60-29-7	M1	**diethyl ether**	x	0	0.00	2	ug	1.	<	2.			480
74-83-9	M1	**bromomethane**	x	1109	0.04	2	ug	1.	<	2.			480
75-00-3	M1	**chloroethane**	x	0	0.00	2	ug	1.	<	2.			480
75-69-4	M1	**trichlorofluoromethane**	x	2940	0.05	1	ug	1.	<	1.			480
75-35-4	MC1	**1,1-dichloroethene**	x	0	0.00	1	ug	1.	<	1.			480
75-09-2	M1	**methylene chloride**	x	0	0.00	1	ug	1.	<	1.			480
76-13-1	M1	**1,1,2-trichlorotrifluoroethane**	x	0	0.00	1	ug	1.	<	1.			480
107-05-1	M1	**allyl chloride**	x	0	0.00	1	ug	1.	<	1.			480
156-60-5	M1	**trans 1,2-dichloroethene**	x	0	0.00	1	ug	1.	<	1.			480
1634-04-4	M1	**[MTBE] tert-butylmethyl ether**	x	0	0.00	1	ug	1.	<	1.			480
75-34-3	MP1	**1,1-dichloroethane**	x	0	0.00	1	ug	1.	<	1.			480
78-93-3	M1	**[MEK] 2-butanone**	x	0	0.00	2	ug	1.	<	2.			480
156-59-4	M1	**cis 1,2-dichloroethene**	x	0	0.00	1	ug	1.	<	1.			480
590-20-7	M1	**2,2-dichloropropane**	x	0	0.00	1	ug	1.	<	1.			480
74-97-5	M1	**bromochloromethane**	x	0	0.00	1	ug	1.	<	1.			480
67-66-3	MC1	**chloroform (trichloromethane)**	x	0	0.00	1	ug	1.	<	1.			480
109-99-9	H1	**tetrahydrofruan**	x	8696	0.19	2	ug	1.	<	2.			480
71-55-6	M1	**1,1,1-trichloroethane**	x	0	0.00	1	ug	1.	<	1.			480
107-06-2	M1	**1,2 dichloroethane**	x	0	0.00	1	ug	1.	<	1.			480
563-58-6	M1	**1,1-dichloropropene**	x	0	0.00	1	ug	1.	<	1.			480
71-43-2	M1	**benzene**	x	47445	0.36	1	ug	1.	<	1.			480
56-26-5	M1	**carbon tetrachloride**	x	0	0.00	1	ug	1.	<	1.			480
79-01-6	M1	**trichloroethene**	x	0	0.00	1	ug	1.	<	1.			480
78-87-5	MC1	**1,2-dichloropropane**	x	0	0.00	1	ug	1.	<	1.			480
74-95-3	M1	**dibromomethane**	x	0	0.00	1	ug	1.	<	1.			480
75-27-4	M1	**bromodichloromethane**	x	0	0.00	1	ug	1.	<	1.			480
10061-01-5	M1	**cis 1,3-dichloropropene**	x	0	0.00	1	ug	1.	<	1.			480
108-10-1	M1	**[MIBK] 4-methyl-2-pentanone**	x	0	0.00	1	ug	1.	<	1.			480
108-88-3	MC1	**toluene**	x	171708	2.04	2.55	ug	1.	<	2.55			480
10061-02-6	M1	**trans 1,3-dichloropropene**	x	0	0.00	1	ug	1.	<	1.			480
79-00-5	M1	**1,1,2-trichloroethane**	x	0	0.00	1	ug	1.	<	1.			480
142-28-9	M2	**1,3-dichloropropane**	x	0	0.00	1	ug	1.	<	1.			480
124-48-1	M2	**dibromochloromethane**	x	0	0.00	1	ug	1.	<	1.			480
127-18-4	M2	**tetrachloroethene**	x	0	0.00	1	ug	1.	<	1.			480
106-93-4	M2	**1,2-dibromoethane**	x	0	0.00	1	ug	1.	<	1.			480
108-90-7	MP2	**chlorobenzene**	x	0	0.00	1	ug	1.	<	1.			480
630-20-6	M2	**1,1,1,2-tetrachloroethane**	x	0	0.00	1	ug	1.	<	1.			480
100-41-4	MC2	**ethylbenzene**	x	38085	0.19	1	ug	1.	<	1.			480
	M2	**m/p xylene**	x	276976	2.34	2.45	ug	1.	<	2.45			960
100-42-5	M2	**styrene**	x	1112	0.01	1	ug	1.	<	1.			480
95-47-6	M2	**o-xylene**	x	97205	0.80	1	ug	1.	<	1.			480
75-25-2	MP2	**bromoform**	x	0	0.00	1	ug	1.	<	1.			480
79-34-5	MP2	**1,1,2,2-tetrachloroethane**	x	1535	0.03	1	ug	1.	<	1.			480
98-82-8	M2	**isopropylbenzene**	x	9422	0.06	1	ug	1.	<	1.			480
96-18-4	M2	**1,2,3-trichloropropane**	x	0	0.00	1	ug	1.	<	1.			480
108-86-1	M2	**bromobenzene**	x	0	0.00	1	ug	1.	<	1.			480
95-49-8	M2	**2-chlorotoluene**	x	2166	0.06	1	ug	1.	<	1.			480
103-65-1	M2	**n-propylbenzene**	x	4992	0.13	1	ug	1.	<	1.			480

KEY LABORATORIES, INC.
2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil**
Client Project Name : **Spring**

Lab QC Batch Sample : **08-1385, #4**
Key Lab # : **08-1384**
Work Order # : **0606081382**
Date Recieved : **06/06/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 2500025.D
Date Analyzed : 9 Jun 2008 10:17 pm
Data File Path : C:\MSDCHEM\1\DATA_0806JUN09C\
Lab Sample Information : water, 1Xdil, Marathon Oil
Lab Sample Number : **#3, 08-1384, 0606081382,**

Client Sample Number : **#3**

Sampling Date : **6/6/2008**
Sampling Time : **13:45**
Sample Matrix : **Water**
Sampler : **Adell**

Reported==>> x DF = 1

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc	RDL	Qual	MQL
106-43-4	M2	**4-chlorotoluene**	x	2099	0.06	1	ug	1.	<	1.		480
108-67-8	M2	**1,3,5-trimethylbenzene**	x	125883	1.06	1	ug	1.	**1.1 ug/L**	1.	J	480
98-06-6	M2	**tert-butylbenzene**	x	3293	0.03	1	ug	1.	<	1.		480
95-63-6	M2	**1,2,4-trimethylbenzene**	x	152849	1.29	1	ug	1.	**1.3 ug/L**	1.	J	480
96-12-8	M2	**1.2-dibromo-3-chloropropane**	x	5746	0.80	1	ug	1.	<	1.		480
541-73-1	M3	**1,3-dichlorobenzene**	x	3900	0.06	1	ug	1.	<	1.		480
99-87-6	M3	**p-isopropyltoluene**	x	35121	0.31	1	ug	1.	<	1.		480
135-98-8	M3	**sec-butylbenzene**	x	31237	0.22	1	ug	1.	<	1.		480
106-46-7	M3	**1,4-dichlorobenzene**	x	3090	0.05	1	ug	1.	<	1.		480
95-50-1	M3	**1,2-dichlorobenzene**	x	1566	0.03	1	ug	1.	<	1.		480
104-51-8	M3	**n-butylbenzene**	x	79737	0.73	1	ug	1.	<	1.		480
87-61-6	M3	**1,2,4-trichlorobenzene**	x	7470	0.10	2	ug	1.	<	2.		480
87-68-3	M3	**hexachlorobutadiene**	x	3569	0.07	2	ug	1.	<	2.		480
91-20-3	M3	**napthylene**	x	52032	0.62	2	ug	1.	<	2.		480
120-82-1	M3	**1,2,3-trichlorobenzene**	x	12381	0.17	2	ug	1.	<	2.		480

CAS#	Type	System Monitoring Compounds	Resp.	Amt.	Area%	Units		Water Limits	r Limits	Soil Limits		Spike	%Rec
1868-53-7	S1	**dibromofluoromethane**	4856070	65.92	**93**	ug	5211326	65 -	135	50 -	150	69.9	**94.3**
17060-07-0	M1	**1,2 dichloroethane-d4**	2070511	68.11	**96**	ug	2150224	65 -	135	50 -	150	69.9	**97.4**
2037-26-5	S1	**toluene-d8**	5019584	67.99	**95**	ug	5285330	65 -	135	50 -	150	69.9	**97.3**
460-00-4	S2	**4-bromofluorobenzene**	4860109	67.99	**88**	ug	5531588	65 -	135	50 -	150	69.9	**97.3**

CAS#	Type	Internal Stanard Compounds	Resp.	Amt.	Area%	Units		Spike
462-06-6	I1	**fluorbenzene**	8371875	69.90	**99**	ug	8484018	69.9
3114-55-4	I2	**chlorobenzene-d5**	4529244	69.90	**89**	ug	5060990	69.9
3855-82-1	I3	**1,4-dichlorobenzene-d4**	3145825	69.90	**81**	ug	3894374	69.9

MDL = Method Detection Limit
PQL = Practical Quantition Limit = 4 x MDL
RDL = Reporting Detection Limit = MDL x Dilution Factor
MQL = Maximum Quantitation Limit = 110% x DF x Highest Calibration Standard

Reporting basis is Kg for solids and L for liquids

J qualifier = MDL < Result < PQL
E qualifier = Estimated Result > Highest Calibration Standard

Analyst

Approved

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun09c\
Data File : 2500025.D
Acq On : 9 Jun 2008 10:17 pm
Operator : KEY
Sample : #3, 08-1384, 0606081382,
Misc : water, 1Xdil, Marathon Oil
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 10 16:07:37 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorbenzene	4.26	96	8371875	69.90	ug	0.00
40) chlorobenzene-d5	9.33	54	4529244+	69.90	ug	0.00
64) 1,4-dichlorobenzene-d4	13.71	154	3145825+	69.90	ug	0.00
System Monitoring Compounds						
22) dibromofluoromethane	2.91	113	4856070+	65.92	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 94.31%			
25) 1,2 dichloroethane-d4	3.34	104	2070511+	68.11	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 97.44%			
36) toluene-d8	6.90	100	5019584	67.99	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 97.27%			
55) 4-bromofluorobenzene	11.75	174	4860109+	67.99	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 97.27%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.96	85	2615	0.05	ug #	53
3) chloromethane	1.01	50	1335	0.03	ug #	53
4) vinyl chloride	0.00	62	0	N.D.		
5) acetone	1.49	58	108649+	4.83	ug #	74
6) diethyl ether	0.00	74	0+	N.D.		
7) bromomethane	1.20	94	1109	0.04	ug #	1
8) chloroethane	0.00	64	0	N.D.		
9) trichlorofluoromethane	1.44	101	2940	0.05	ug #	31
10) 1,1-dichloroethene	0.00	96	0	N.D.		
11) methylene chloride	0.00	84	0	N.D.		
12) 1,1,2-trichlorotrifluoroet	0.00	151	0+	N.D.		
13) allyl chloride	0.00	78	0+	N.D.		
14) trans 1,2-dichloroethene	0.00	96	0	N.D.		
15) [MTBE] tert-butylmethyl et	0.00	73	0	N.D.		
16) 1,1-dichloroethane	0.00	63	0	N.D.		
17) [MEK] 2-butanone	0.00	72	0+	N.D.		
18) cis 1,2-dichloroethene	0.00	96	0	N.D.		
19) 2,2-dichloropropane	0.00	77	0+	N.D.		
20) bromochloromethane	0.00	128	0+	N.D.		
21) chloroform (trichlorometha	0.00	83	0	N.D.		
23) tetrahydrofruan	3.11	71	8696m+	0.19	ug	
24) 1,1,1-trichloroethane	0.00	97	0+	N.D.		
26) 1,2 dichloroethane	0.00	62	0	N.D.		
27) 1,1-dichloropropene	0.00	75	0	N.D.		
28) benzene	3.96	78	47445	0.36	ug	96
29) carbon tetrachloride	0.00	117	0+	N.D.		
30) trichloroethene	0.00	130	0+	N.D.		
31) 1,2-dichloropropane	0.00	63	0	N.D.		
32) dibromomethane	0.00	174	0	N.D.		
33) bromodichloromethane	0.00	83	0	N.D.		
34) cis 1,3-dichloropropene	0.00	75	0	N.D.		
35) [MIBK] 4-methyl-2-pentanon	0.00	58	0+	N.D.		
37) toluene	7.01	92	171708	2.04	ug	100
38) trans 1,3-dichloropropene	0.00	75	0	N.D.		
39) 1,1,2-trichloroethane	0.00	83	0	N.D.		
41) 1,3-dichloropropane	0.00	76	0	N.D.		
42) dibromochloromethane	0.00	129	0	N.D.		
43) tetrachloroethene	0.00	166	0+	N.D.		

Data Path : C:\MSDChem\1\DATA_0806jun09c\
Data File : 2500025.D
Acq On : 9 Jun 2008 10:17 pm
Operator : KEY
Sample : #3, 08-1384, 0606081382,
Misc : water, 1Xdil, Marathon Oil
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 10 16:07:37 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25
:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration

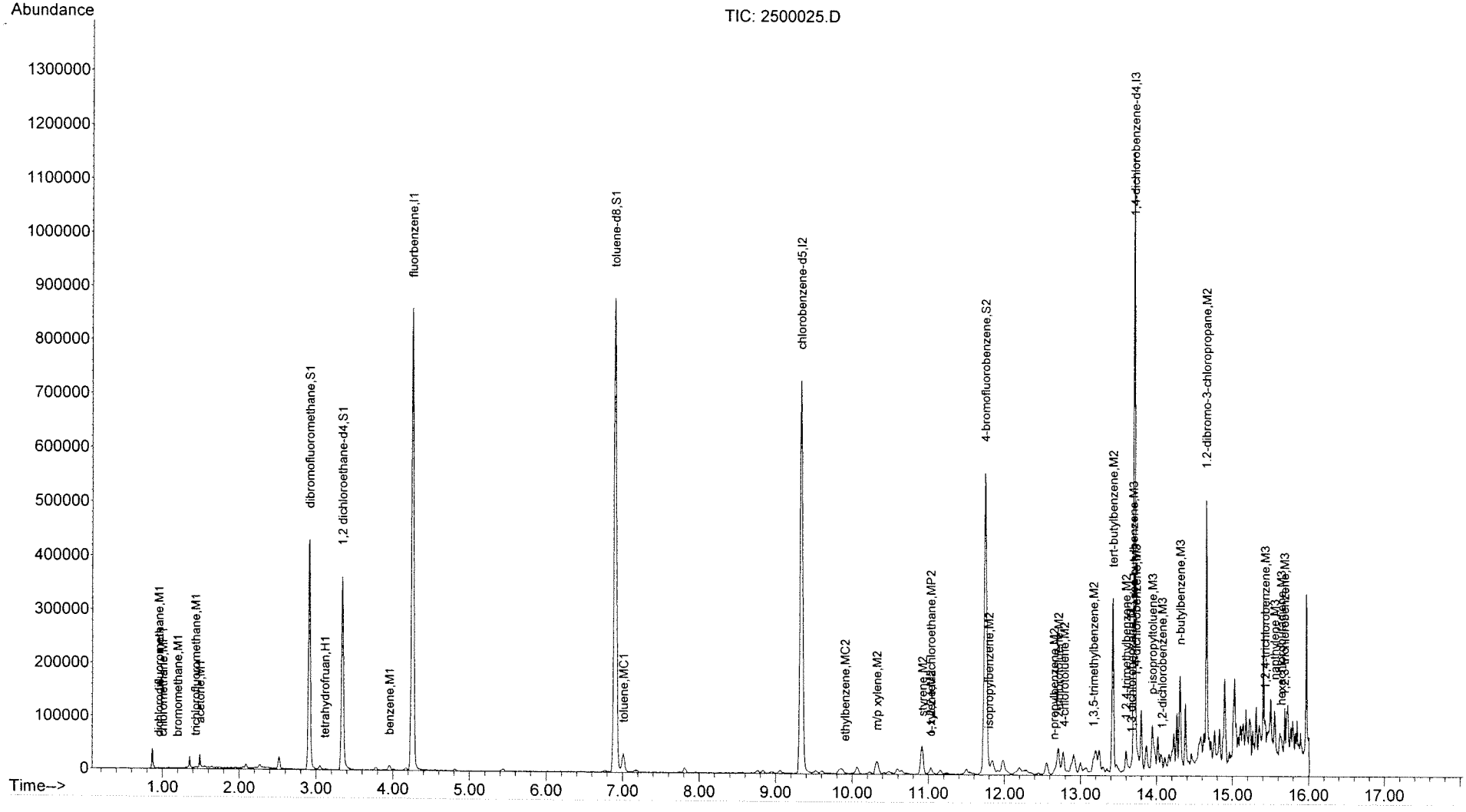
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 1,2-dibromoethane	0.00	107	0	N.D.			
45) chlorobenzene	0.00	112	0	N.D.			
46) 1,1,1,2-tetrachloroethane	0.00	131	0+	N.D.			
47) ethylbenzene	9.91	91	38085+	0.19	ug		94
48) m/p xylene	10.33	91	276976	2.34	ug		94
49) styrene	10.92	104	1112	0.01	ug	#	34
50) o-xylene	11.03	91	97205	0.80	ug	#	96
51) bromoform	0.00	173	0	N.D.			
52) 1,1,2,2-tetrachloroethane	11.02	83	1535+	0.03	ug		47
53) isopropylbenzene	11.80	105	9422	0.06	ug	#	1
54) 1,2,3-trichloropropane	0.00	75	0	N.D.			
56) bromobenzene	0.00	156	0	N.D.			
57) 2-chlorotoluene	12.70	126	2166	0.06	ug	#	1
58) n-propylbenzene	12.64	120	4992	0.13	ug	#	48
59) 4-chlorotoluene	12.79	126	2099	0.06	ug	#	9
60) 1,3,5-trimethylbenzene	13.17	105	125883	1.06	ug		98
61) tert-butylbenzene	13.42	119	3293	0.03	ug	#	30
62) 1,2,4-trimethylbenzene	13.60	105	152849	1.29	ug		99
63) 1.2-dibromo-3-chloropropan	14.66	157	5746	0.80	ug	#	49
65) 1,3-dichlorobenzene	13.66	146	3900	0.06	ug	#	1
66) p-isopropyltoluene	13.93	119	35121	0.31	ug	#	76
67) sec-butylbenzene	13.68	105	31237	0.22	ug	#	46
68) 1,4-dichlorobenzene	13.73	146	3090	0.05	ug	#	1
69) 1,2-dichlorobenzene	14.08	146	1566	0.03	ug	#	1
70) n-butylbenzene	14.31	91	79737	0.73	ug	#	70
71) 1,2,4-trichlorobenzene	15.43	180	7470+	0.10	ug	#	1
72) hexachlorobutadiene	15.63	225	3569+	0.07	ug		1
73) napthylene	15.56	128	52032	0.62	ug	#	58
74) 1,2,3-trichlorobenzene	15.67	180	12381+	0.17	ug	#	1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun09c\
Data File : 2500025.D
Acq On : 9 Jun 2008 10:17 pm
Operator : KEY
Sample : #3, 08-1384, 0606081382,
Misc : water, 1Xdil, Marathon Oil
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 10 16:07:37 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration



KEY LABORATORIES, INC.
2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil**
Client Project Name : **Spring**

Lab QC Batch Sample : **08-1385, #4**
Key Lab # : **08-1385**
Work Order # : **0606081382**
Date Recieved : **06/06/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 2600026.D
Date Analyzed : 9 Jun 2008 10:41 pm
Data File Path : C:\MSDCHEM\1\DATA_0806JUN09C\
Lab Sample Information : water, 1Xdil, Marathon Oil
Lab Sample Number : **#4, 08-1385, M, 0606081382,**

Client Sample Number : **#4**

Sampling Date : **6/6/2008**
Sampling Time : **14:00**
Sample Matrix : **Water**
Sampler : **Adell**

Reported==>> x DF = 1

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc		RDL	Qual	MQL
75-71-8	M1	**dichlorodifluoromethane**	x	2656	0.05	2	ug	1.		<	2.		480
74-87-3	MP1	**chloromethane**	x	0	0.00	2	ug	1.		<	2.		480
75-01-4	MC1	**vinyl chloride**	x	0	0.00	2	ug	1.		<	2.		480
67-64-1	M1	**acetone**	x	96236	4.36	6.05	ug	1.		<	6.05		480
60-29-7	M1	**diethyl ether**	x	0	0.00	2	ug	1.		<	2.		480
74-83-9	M1	**bromomethane**	x	2700	0.10	2	ug	1.		<	2.		480
75-00-3	M1	**chloroethane**	x	0	0.00	2	ug	1.		<	2.		480
75-69-4	M1	**trichlorofluoromethane**	x	1619	0.03	1	ug	1.		<	1.		480
75-35-4	MC1	**1,1-dichloroethene**	x	0	0.00	1	ug	1.		<	1.		480
75-09-2	M1	**methylene chloride**	x	3491	0.11	1	ug	1.		<	1.		480
76-13-1	M1	**1,1,2-trichlorotrifluoroethane**	x	0	0.00	1	ug	1.		<	1.		480
107-05-1	M1	**allyl chloride**	x	0	0.00	1	ug	1.		<	1.		480
156-60-5	M1	**trans 1,2-dichloroethene**	x	0	0.00	1	ug	1.		<	1.		480
1634-04-4	M1	**[MTBE] tert-butylmethyl ether**	x	0	0.00	1	ug	1.		<	1.		480
75-34-3	MP1	**1,1-dichloroethane**	x	0	0.00	1	ug	1.		<	1.		480
78-93-3	M1	**[MEK] 2-butanone**	x	54412	1.75	2	ug	1.		<	2.		480
156-59-4	M1	**cis 1,2-dichloroethene**	x	0	0.00	1	ug	1.		<	1.		480
590-20-7	M1	**2,2-dichloropropane**	x	0	0.00	1	ug	1.		<	1.		480
74-97-5	M1	**bromochloromethane**	x	0	0.00	1	ug	1.		<	1.		480
67-66-3	MC1	**chloroform (trichloromethane)**	x	0	0.00	1	ug	1.		<	1.		480
109-99-9	H1	**tetrahydrofruan**	x	7704	0.17	2	ug	1.		<	2.		480
71-55-6	M1	**1,1,1-trichloroethane**	x	0	0.00	1	ug	1.		<	1.		480
107-06-2	M1	**1,2 dichloroethane**	x	0	0.00	1	ug	1.		<	1.		480
563-58-6	M1	**1,1-dichloropropene**	x	0	0.00	1	ug	1.		<	1.		480
71-43-2	M1	**benzene**	x	39630	0.31	1	ug	1.		<	1.		480
56-26-5	M1	**carbon tetrachloride**	x	0	0.00	1	ug	1.		<	1.		480
79-01-6	M1	**trichloroethene**	x	0	0.00	1	ug	1.		<	1.		480
78-87-5	MC1	**1,2-dichloropropane**	x	0	0.00	1	ug	1.		<	1.		480
74-95-3	M1	**dibromomethane**	x	0	0.00	1	ug	1.		<	1.		480
75-27-4	M1	**bromodichloromethane**	x	0	0.00	1	ug	1.		<	1.		480
10061-01-5	M1	**cis 1,3-dichloropropene**	x	0	0.00	1	ug	1.		<	1.		480
108-10-1	M1	**[MIBK] 4-methyl-2-pentanone**	x	0	0.00	1	ug	1.		<	1.		480
108-88-3	MC1	**toluene**	x	179783	2.18	2.55	ug	1.		<	2.55		480
10061-02-6	M1	**trans 1,3-dichloropropene**	x	0	0.00	1	ug	1.		<	1.		480
79-00-5	M1	**1,1,2-trichloroethane**	x	0	0.00	1	ug	1.		<	1.		480
142-28-9	M2	**1,3-dichloropropane**	x	0	0.00	1	ug	1.		<	1.		480
124-48-1	M2	**dibromochloromethane**	x	0	0.00	1	ug	1.		<	1.		480
127-18-4	M2	**tetrachloroethene**	x	0	0.00	1	ug	1.		<	1.		480
106-93-4	M2	**1,2-dibromoethane**	x	0	0.00	1	ug	1.		<	1.		480
108-90-7	MP2	**chlorobenzene**	x	0	0.00	1	ug	1.		<	1.		480
630-20-6	M2	**1,1,1,2-tetrachloroethane**	x	0	0.00	1	ug	1.		<	1.		480
100-41-4	MC2	**ethylbenzene**	x	38313	0.19	1	ug	1.		<	1.		480
	M2	**m/p xylene**	x	122798	1.03	2.45	ug	1.		<	2.45		960
100-42-5	M2	**styrene**	x	0	0.00	1	ug	1.		<	1.		480
95-47-6	M2	**o-xylene**	x	41200	0.34	1	ug	1.		<	1.		480
75-25-2	MP2	**bromoform**	x	0	0.00	1	ug	1.		<	1.		480
79-34-5	MP2	**1,1,2,2-tetrachloroethane**	x	0	0.00	1	ug	1.		<	1.		480
98-82-8	M2	**isopropylbenzene**	x	1005	0.01	1	ug	1.		<	1.		480
96-18-4	M2	**1,2,3-trichloropropane**	x	0	0.00	1	ug	1.		<	1.		480
108-86-1	M2	**bromobenzene**	x	0	0.00	1	ug	1.		<	1.		480
95-49-8	M2	**2-chlorotoluene**	x	0	0.00	1	ug	1.		<	1.		480
103-65-1	M2	**n-propylbenzene**	x	1344	0.04	1	ug	1.		<	1.		480

KEY LABORATORIES, INC.
2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil**
Client Project Name : **Spring**

Lab QC Batch Sample : **08-1385, #4**
Key Lab # : **08-1385**
Work Order # : **0606081382**
Date Recieved : **06/06/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 2600026.D
Date Analyzed : 9 Jun 2008 10:41 pm
Data File Path : C:\MSDCHEM\1\DATA_0806JUN09C\
Lab Sample Information : water, 1Xdil, Marathon Oil
Lab Sample Number : **#4, 08-1385, M, 0606081382,**

Client Sample Number : **#4**

Sampling Date : **6/6/2008**
Sampling Time : **14:00**
Sample Matrix : **Water**
Sampler : **Adell**

Reported==>> **x** **DF = 1**

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc		RDL	Qual	MQL
106-43-4	M2	**4-chlorotoluene**	x	0	0.00	1	ug	1.	<	1.			480
108-67-8	M2	**1,3,5-trimethylbenzene**	x	19057	0.16	1	ug	1.	<	1.			480
98-06-6	M2	**tert-butylbenzene**	x	0	0.00	1	ug	1.	<	1.			480
95-63-6	M2	**1,2,4-trimethylbenzene**	x	39510	0.33	1	ug	1.	<	1.			480
96-12-8	M2	**1.2-dibromo-3-chloropropane**	x	0	0.00	1	ug	1.	<	1.			480
541-73-1	M3	**1,3-dichlorobenzene**	x	2988	0.05	1	ug	1.	<	1.			480
99-87-6	M3	**p-isopropyltoluene**	x	0	0.00	1	ug	1.	<	1.			480
135-98-8	M3	**sec-butylbenzene**	x	3135	0.02	1	ug	1.	<	1.			480
106-46-7	M3	**1,4-dichlorobenzene**	x	2985	0.05	1	ug	1.	<	1.			480
95-50-1	M3	**1,2-dichlorobenzene**	x	0	0.00	1	ug	1.	<	1.			480
104-51-8	M3	**n-butylbenzene**	x	4591	0.05	1	ug	1.	<	1.			480
87-61-6	M3	**1,2,4-trichlorobenzene**	x	0	0.00	2	ug	1.	<	2.			480
87-68-3	M3	**hexachlorobutadiene**	x	0	0.00	2	ug	1.	<	2.			480
91-20-3	M3	**napthylene**	x	17964	0.23	2	ug	1.	<	2.			480
120-82-1	M3	**1,2,3-trichlorobenzene**	x	0	0.00	2	ug	1.	<	2.			480

CAS#	Type	System Monitoring Compounds	Resp.	Amt.	Area%	Units		Water Limits		r Limits	Soil Limits		Spike	%Rec
1868-53-7	S1	**dibromofluoromethane**	4748833	65.67	**91**	ug	5211326	65 -	135	50 -	150		69.9	**93.9**
17060-07-0	M1	**1,2 dichloroethane-d4**	2109645	70.69	**98**	ug	2150224	65 -	135	50 -	150		69.9	**101.1**
2037-26-5	S1	**toluene-d8**	5049796	69.68	**96**	ug	5285330	65 -	135	50 -	150		69.9	**99.7**
460-00-4	S2	**4-bromofluorobenzene**	4772053	66.18	**86**	ug	5531588	65 -	135	50 -	150		69.9	**94.7**

CAS#	Type	Internal Stanard Compounds	Resp.	Amt.	Area%	Units		Spike
462-06-6	I1	**fluorbenzene**	8218394	69.90	**97**	ug	8484018	69.9
3114-55-4	I2	**chlorobenzene-d5**	4568831	69.90	**90**	ug	5060990	69.9
3855-82-1	I3	**1,4-dichlorobenzene-d4**	2914493	69.90	**75**	ug	3894374	69.9

MDL = Method Detection Limit
PQL = Practical Quantition Limit = 4 x MDL
RDL = Reporting Detection Limit = MDL x Dilution Factor
MQL = Maximum Quantitation Limit = 110% x DF x Highest Calibration Standard

Reporting basis is Kg for solids and L for liquids

J qualifier = MDL < Result < PQL
E qualifier = Estimated Result > Highest Calibration Standard

Analyst

Approved

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun09c\
Data File : 2600026.D
Acq On : 9 Jun 2008 10:41 pm
Operator : KEY
Sample : #4, 08-1385, M, 0606081382,
Misc : water, 1Xdil, Marathon Oil
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 10 16:08:28 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorbenzene	4.26	96	8218394	69.90	ug	0.00
40) chlorobenzene-d5	9.34	54	4568831+	69.90	ug	0.00
64) 1,4-dichlorobenzene-d4	13.71	154	2914493+	69.90	ug	0.00
System Monitoring Compounds						
22) dibromofluoromethane	2.91	113	4748833+	65.67	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 93.95%			
25) 1,2 dichloroethane-d4	3.34	104	2109645+	70.69	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 101.13%			
36) toluene-d8	6.91	100	5049796	69.68	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 99.69%			
55) 4-bromofluorobenzene	11.75	174	4772053+	66.18	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 94.68%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.96	85	2656	0.05	ug #	53
3) chloromethane	0.00	50	0	N.D.		
4) vinyl chloride	0.00	62	0	N.D.		
5) acetone	1.49	58	96236+	4.36	ug	76
6) diethyl ether	0.00	74	0+	N.D.		
7) bromomethane	1.20	94	2700	0.10	ug #	1
8) chloroethane	0.00	64	0	N.D.		
9) trichlorofluoromethane	1.44	101	1619	0.03	ug #	31
10) 1,1-dichloroethene	0.00	96	0	N.D.		
11) methylene chloride	1.71	84	3491	0.11	ug #	67
12) 1,1,2-trichlorotrifluoroet	0.00	151	0+	N.D.		
13) allyl chloride	0.00	78	0+	N.D.		
14) trans 1,2-dichloroethene	0.00	96	0	N.D.		
15) [MTBE] tert-butylmethyl et	0.00	73	0	N.D.		
16) 1,1-dichloroethane	0.00	63	0	N.D.		
17) [MEK] 2-butanone	2.56	72	54412+	1.75	ug	92
18) cis 1,2-dichloroethene	0.00	96	0	N.D.		
19) 2,2-dichloropropane	0.00	77	0+	N.D.		
20) bromochloromethane	0.00	128	0+	N.D.		
21) chloroform (trichlorometha	0.00	83	0	N.D.		
23) tetrahydrofruan	3.11	71	7704m+	0.17	ug	
24) 1,1,1-trichloroethane	0.00	97	0+	N.D.		
26) 1,2 dichloroethane	0.00	62	0	N.D.		
27) 1,1-dichloropropene	0.00	75	0	N.D.		
28) benzene	3.96	78	39630	0.31	ug	100
29) carbon tetrachloride	0.00	117	0+	N.D.		
30) trichloroethene	0.00	130	0+	N.D.		
31) 1,2-dichloropropane	0.00	63	0	N.D.		
32) dibromomethane	0.00	174	0	N.D.		
33) bromodichloromethane	0.00	83	0	N.D.		
34) cis 1,3-dichloropropene	0.00	75	0	N.D.		
35) [MIBK] 4-methyl-2-pentanon	0.00	58	0+	N.D.		
37) toluene	7.01	92	179783	2.18	ug	94
38) trans 1,3-dichloropropene	0.00	75	0	N.D.		
39) 1,1,2-trichloroethane	0.00	83	0	N.D.		
41) 1,3-dichloropropane	0.00	76	0	N.D.		
42) dibromochloromethane	0.00	129	0	N.D.		
43) tetrachloroethene	0.00	166	0+	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun09c\
Data File : 2600026.D
Acq On : 9 Jun 2008 10:41 pm
Operator : KEY
Sample : #4, 08-1385, M, 0606081382,
Misc : water, 1Xdil, Marathon Oil
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 10 16:08:28 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration

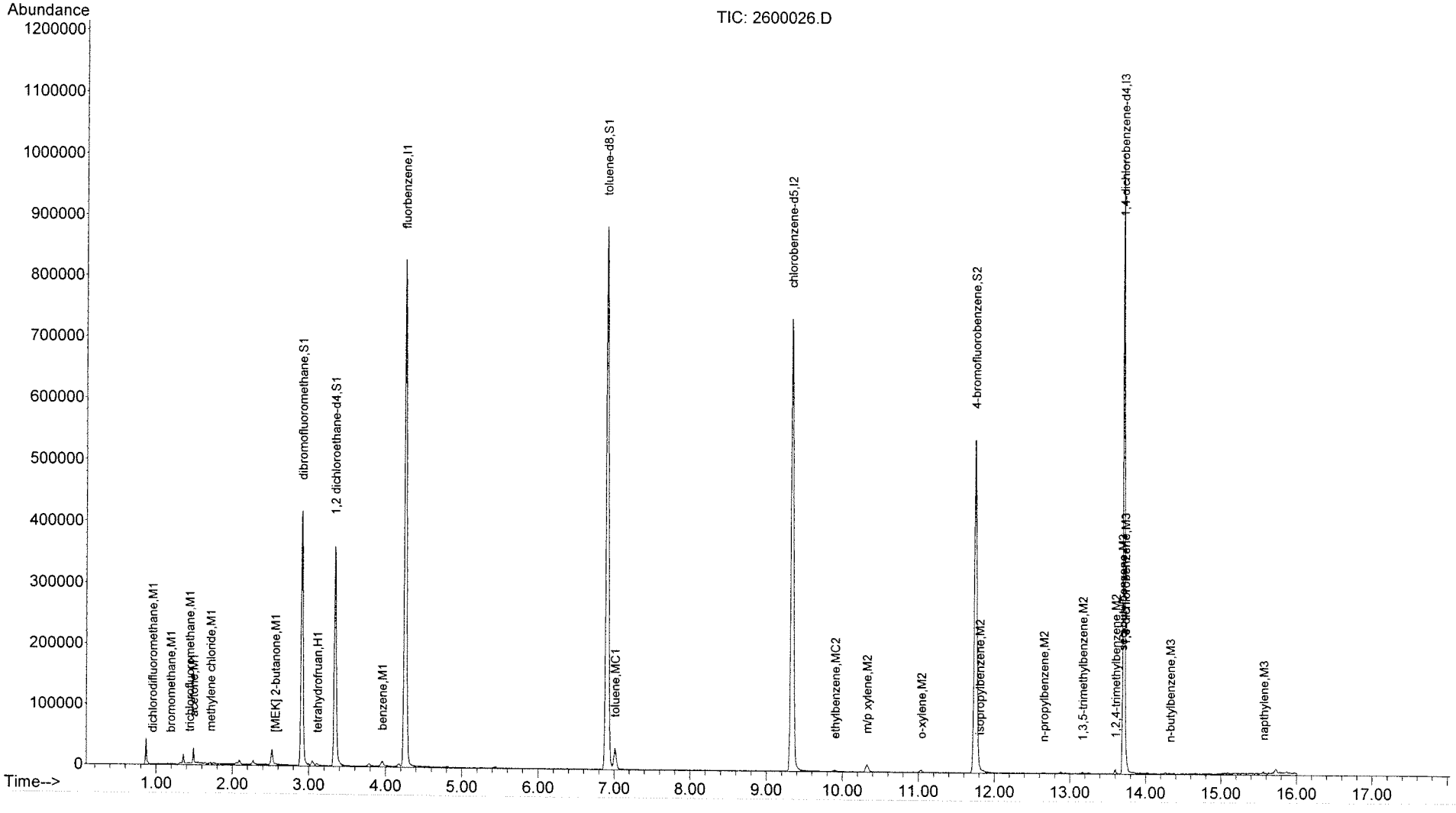
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 1,2-dibromoethane	0.00	107	0	N.D.			
45) chlorobenzene	0.00	112	0	N.D.			
46) 1,1,1,2-tetrachloroethane	0.00	131	0+	N.D.			
47) ethylbenzene	9.90	91	38313+	0.19	ug		93
48) m/p xylene	10.33	91	122798	1.03	ug		98
49) styrene	0.00	104	0	N.D.			
50) o-xylene	11.04	91	41200	0.34	ug	#	92
51) bromoform	0.00	173	0	N.D.			
52) 1,1,2,2-tetrachloroethane	0.00	83	0+	N.D.			
53) isopropylbenzene	11.82	105	1005	0.01	ug	#	37
54) 1,2,3-trichloropropane	0.00	75	0	N.D.			
56) bromobenzene	0.00	156	0	N.D.			
57) 2-chlorotoluene	0.00	126	0	N.D.			
58) n-propylbenzene	12.66	120	1344	0.04	ug	#	65
59) 4-chlorotoluene	0.00	126	0	N.D.			
60) 1,3,5-trimethylbenzene	13.16	105	19057	0.16	ug	#	77
61) tert-butylbenzene	0.00	119	0	N.D.			
62) 1,2,4-trimethylbenzene	13.60	105	39510	0.33	ug		98
63) 1.2-dibromo-3-chloropropan	0.00	157	0	N.D.			
65) 1,3-dichlorobenzene	13.74	146	2988	0.05	ug	#	46
66) p-isopropyltoluene	0.00	119	0	N.D.			
67) sec-butylbenzene	13.69	105	3135	0.02	ug	#	1
68) 1,4-dichlorobenzene	13.74	146	2985	0.05	ug	#	40
69) 1,2-dichlorobenzene	0.00	146	0	N.D.			
70) n-butylbenzene	14.32	91	4591	0.05	ug	#	33
71) 1,2,4-trichlorobenzene	0.00	180	0+	N.D.			
72) hexachlorobutadiene	0.00	225	0+	N.D.			
73) napthylene	15.57	128	17964	0.23	ug	#	86
74) 1,2,3-trichlorobenzene	0.00	180	0+	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun09c\
Data File : 2600026.D
Acq On : 9 Jun 2008 10:41 pm
Operator : KEY
Sample : #4, 08-1385, M, 0606081382,
Misc : water, 1Xdil, Marathon Oil
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 10 16:08:28 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration



KEY LABORATORIES, INC.
2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil**
Client Project Name : **Spring**

Lab QC Batch Sample : **08-1385, #4**
Key Lab # : **08-1385**
Work Order # : **0606081382**
Date Recieved : **06/06/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 2700027.D
Date Analyzed : 9 Jun 2008 11:07 pm
Data File Path : C:\MSDCHEM\1\DATA_0806JUN09C\
Lab Sample Information : water, 1Xdil, Marathon Oil
Lab Sample Number : **#4, 08-1385, MD, 0606081382,**

Client Sample Number : **#4** **DUP**

Sampling Date : **6/6/2008**
Sampling Time : **14:00**
Sample Matrix : **Water**
Sampler : **Adell**

Reported==>> x DF = 1

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc		RDL	Qual	MQL
75-71-8	M1	**dichlorodifluoromethane**	x	3730	0.07	2	ug	1.		<	2.		480
74-87-3	MP1	**chloromethane**	x	0	0.00	2	ug	1.		<	2.		480
75-01-4	MC1	**vinyl chloride**	x	0	0.00	2	ug	1.		<	2.		480
67-64-1	M1	**acetone**	x	88165	3.99	6.05	ug	1.		<	6.05		480
60-29-7	M1	**diethyl ether**	x	0	0.00	2	ug	1.		<	2.		480
74-83-9	M1	**bromomethane**	x	0	0.00	2	ug	1.		<	2.		480
75-00-3	M1	**chloroethane**	x	0	0.00	2	ug	1.		<	2.		480
75-69-4	M1	**trichlorofluoromethane**	x	0	0.00	1	ug	1.		<	1.		480
75-35-4	MC1	**1,1-dichloroethene**	x	0	0.00	1	ug	1.		<	1.		480
75-09-2	M1	**methylene chloride**	x	2913	0.09	1	ug	1.		<	1.		480
76-13-1	M1	**1,1,2-trichlorotrifluoroethane**	x	0	0.00	1	ug	1.		<	1.		480
107-05-1	M1	**allyl chloride**	x	0	0.00	1	ug	1.		<	1.		480
156-60-5	M1	**trans 1,2-dichloroethene**	x	0	0.00	1	ug	1.		<	1.		480
1634-04-4	M1	**[MTBE] tert-butylmethyl ether**	x	0	0.00	1	ug	1.		<	1.		480
75-34-3	MP1	**1,1-dichloroethane**	x	0	0.00	1	ug	1.		<	1.		480
78-93-3	M1	**[MEK] 2-butanone**	x	43567	1.40	2	ug	1.		<	2.		480
156-59-4	M1	**cis 1,2-dichloroethene**	x	0	0.00	1	ug	1.		<	1.		480
590-20-7	M1	**2,2-dichloropropane**	x	0	0.00	1	ug	1.		<	1.		480
74-97-5	M1	**bromochloromethane**	x	0	0.00	1	ug	1.		<	1.		480
67-66-3	MC1	**chloroform (trichloromethane)**	x	0	0.00	1	ug	1.		<	1.		480
109-99-9	H1	**tetrahydrofruan**	x	0	0.00	2	ug	1.		<	2.		480
71-55-6	M1	**1,1,1-trichloroethane**	x	0	0.00	1	ug	1.		<	1.		480
107-06-2	M1	**1,2 dichloroethane**	x	1067	0.02	1	ug	1.		<	1.		480
563-58-6	M1	**1,1-dichloropropene**	x	0	0.00	1	ug	1.		<	1.		480
71-43-2	M1	**benzene**	x	37921	0.29	1	ug	1.		<	1.		480
56-26-5	M1	**carbon tetrachloride**	x	0	0.00	1	ug	1.		<	1.		480
79-01-6	M1	**trichloroethene**	x	0	0.00	1	ug	1.		<	1.		480
78-87-5	MC1	**1,2-dichloropropane**	x	0	0.00	1	ug	1.		<	1.		480
74-95-3	M1	**dibromomethane**	x	0	0.00	1	ug	1.		<	1.		480
75-27-4	M1	**bromodichloromethane**	x	0	0.00	1	ug	1.		<	1.		480
10061-01-5	M1	**cis 1,3-dichloropropene**	x	0	0.00	1	ug	1.		<	1.		480
108-10-1	M1	**[MIBK] 4-methyl-2-pentanone**	x	0	0.00	1	ug	1.		<	1.		480
108-88-3	MC1	**toluene**	x	141948	1.72	2.55	ug	1.		<	2.55		480
10061-02-6	M1	**trans 1,3-dichloropropene**	x	0	0.00	1	ug	1.		<	1.		480
79-00-5	M1	**1,1,2-trichloroethane**	x	0	0.00	1	ug	1.		<	1.		480
142-28-9	M2	**1,3-dichloropropane**	x	0	0.00	1	ug	1.		<	1.		480
124-48-1	M2	**dibromochloromethane**	x	0	0.00	1	ug	1.		<	1.		480
127-18-4	M2	**tetrachloroethene**	x	0	0.00	1	ug	1.		<	1.		480
106-93-4	M2	**1,2-dibromoethane**	x	0	0.00	1	ug	1.		<	1.		480
108-90-7	MP2	**chlorobenzene**	x	0	0.00	1	ug	1.		<	1.		480
630-20-6	M2	**1,1,1,2-tetrachloroethane**	x	0	0.00	1	ug	1.		<	1.		480
100-41-4	MC2	**ethylbenzene**	x	30241	0.16	1	ug	1.		<	1.		480
	M2	**m/p xylene**	x	100199	0.85	2.45	ug	1.		<	2.45		960
100-42-5	M2	**styrene**	x	0	0.00	1	ug	1.		<	1.		480
95-47-6	M2	**o-xylene**	x	38233	0.32	1	ug	1.		<	1.		480
75-25-2	MP2	**bromoform**	x	0	0.00	1	ug	1.		<	1.		480
79-34-5	MP2	**1,1,2,2-tetrachloroethane**	x	0	0.00	1	ug	1.		<	1.		480
98-82-8	M2	**isopropylbenzene**	x	1211	0.01	1	ug	1.		<	1.		480
96-18-4	M2	**1,2,3-trichloropropane**	x	0	0.00	1	ug	1.		<	1.		480
108-86-1	M2	**bromobenzene**	x	0	0.00	1	ug	1.		<	1.		480
95-49-8	M2	**2-chlorotoluene**	x	0	0.00	1	ug	1.		<	1.		480
103-65-1	M2	**n-propylbenzene**	x	0	0.00	1	ug	1.		<	1.		480

KEY LABORATORIES, INC.
2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil**
Client Project Name : **Spring**

Lab QC Batch Sample : **08-1385, #4**
Key Lab # : **08-1385**
Work Order # : **0606081382**
Date Recieved : **06/06/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 2700027.D
Date Analyzed : 9 Jun 2008 11:07 pm
Data File Path : C:\MSDCHEM\1\DATA_0806JUN09C\
Lab Sample Information : water, 1Xdil, Marathon Oil
Lab Sample Number : **#4, 08-1385, MD, 0606081382,**

Client Sample Number : **#4** **DUP**

Sampling Date : **6/6/2008**
Sampling Time : **14:00**
Sample Matrix : **Water**
Sampler : **Adell**

Reported==>> x DF = 1

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc		RDL	Qual	MQL
106-43-4	M2	**4-chlorotoluene**	x	0	0.00	1	ug	1.	<	1.			480
108-67-8	M2	**1,3,5-trimethylbenzene**	x	22589	0.19	1	ug	1.	<	1.			480
98-06-6	M2	**tert-butylbenzene**	x	0	0.00	1	ug	1.	<	1.			480
95-63-6	M2	**1,2,4-trimethylbenzene**	x	59061	0.50	1	ug	1.	<	1.			480
96-12-8	M2	**1.2-dibromo-3-chloropropane**	x	0	0.00	1	ug	1.	<	1.			480
541-73-1	M3	**1,3-dichlorobenzene**	x	0	0.00	1	ug	1.	<	1.			480
99-87-6	M3	**p-isopropyltoluene**	x	3694	0.04	1	ug	1.	<	1.			480
135-98-8	M3	**sec-butylbenzene**	x	8641	0.07	1	ug	1.	<	1.			480
106-46-7	M3	**1,4-dichlorobenzene**	x	2758	0.05	1	ug	1.	<	1.			480
95-50-1	M3	**1,2-dichlorobenzene**	x	0	0.00	1	ug	1.	<	1.			480
104-51-8	M3	**n-butylbenzene**	x	7771	0.08	1	ug	1.	<	1.			480
87-61-6	M3	**1,2,4-trichlorobenzene**	x	0	0.00	2	ug	1.	<	2.			480
87-68-3	M3	**hexachlorobutadiene**	x	0	0.00	2	ug	1.	<	2.			480
91-20-3	M3	**napthylene**	x	13760	0.18	2	ug	1.	<	2.			480
120-82-1	M3	**1,2,3-trichlorobenzene**	x	0	0.00	2	ug	1.	<	2.			480

CAS#	Type	System Monitoring Compounds	Resp.	Amt.	Area%	Units		Water Limits		r Limits	Soil Limits		Spike	%Rec
1868-53-7	S1	**dibromofluoromethane**	4739340	65.45	**91**	ug	5211326	65 -	135	50 -	150		69.9	**93.6**
17060-07-0	M1	**1,2 dichloroethane-d4**	2096503	70.16	**98**	ug	2150224	65 -	135	50 -	150		69.9	**100.4**
2037-26-5	S1	**toluene-d8**	4959626	68.35	**94**	ug	5285330	65 -	135	50 -	150		69.9	**97.8**
460-00-4	S2	**4-bromofluorobenzene**	4711407	66.60	**85**	ug	5531588	65 -	135	50 -	150		69.9	**95.3**

CAS#	Type	Internal Stanard Compounds	Resp.	Amt.	Area%	Units		Spike
462-06-6	I1	**fluorbenzene**	8228639	69.90	**97**	ug	8484018	69.9
3114-55-4	I2	**chlorobenzene-d5**	4482269	69.90	**89**	ug	5060990	69.9
3855-82-1	I3	**1,4-dichlorobenzene-d4**	2891895	69.90	**74**	ug	3894374	69.9

MDL = Method Detection Limit
PQL = Practical Quantition Limit = 4 x MDL
RDL = Reporting Detection Limit = MDL x Dilution Factor
MQL = Maximum Quantitation Limit = 110% x DF x Highest Calibration Standard

Reporting basis is Kg for solids and L for liquids

J qualifier = MDL < Result < PQL
E qualifier = Estimated Result > Highest Calibration Standard

Analyst

Approved

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun09c\
Data File : 2700027.D
Acq On : 9 Jun 2008 11:07 pm
Operator : KEY
Sample : #4, 08-1385, MD, 0606081382,
Misc : water, 1Xdil, Marathon Oil
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 10 16:08:32 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorbenzene	4.26	96	8228639	69.90	ug		0.00
40) chlorobenzene-d5	9.33	54	4482269+	69.90	ug		0.00
64) 1,4-dichlorobenzene-d4	13.71	154	2891895+	69.90	ug		0.00
System Monitoring Compounds							
22) dibromofluoromethane	2.91	113	4739340+	65.45	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 93.63%				
25) 1,2 dichloroethane-d4	3.34	104	2096503+	70.16	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 100.37%				
36) toluene-d8	6.90	100	4959626	68.35	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 97.78%				
55) 4-bromofluorobenzene	11.75	174	4711407+	66.60	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 95.28%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.95	85	3730	0.07	ug	#	53
3) chloromethane	0.00	50	0	N.D.			
4) vinyl chloride	0.00	62	0	N.D.			
5) acetone	1.50	58	88165+	3.99	ug	#	74
6) diethyl ether	0.00	74	0+	N.D.			
7) bromomethane	0.00	94	0	N.D.			
8) chloroethane	0.00	64	0	N.D.			
9) trichlorofluoromethane	0.00	101	0	N.D.			
10) 1,1-dichloroethene	0.00	96	0	N.D.			
11) methylene chloride	1.71	84	2913	0.09	ug	#	78
12) 1,1,2-trichlorotrifluoroet	0.00	151	0+	N.D.			
13) allyl chloride	0.00	78	0+	N.D.			
14) trans 1,2-dichloroethene	0.00	96	0	N.D.			
15) [MTBE] tert-butylmethyl et	0.00	73	0	N.D.			
16) 1,1-dichloroethane	0.00	63	0	N.D.			
17) [MEK] 2-butanone	2.58	72	43567+	1.40	ug		96
18) cis 1,2-dichloroethene	0.00	96	0	N.D.			
19) 2,2-dichloropropane	0.00	77	0+	N.D.			
20) bromochloromethane	0.00	128	0+	N.D.			
21) chloroform (trichlorometha	0.00	83	0	N.D.			
23) tetrahydrofruan	3.11	71	0+	N.D.			
24) 1,1,1-trichloroethane	0.00	97	0+	N.D.			
26) 1,2 dichloroethane	3.36	62	1067	0.02	ug	#	1
27) 1,1-dichloropropene	0.00	75	0	N.D.			
28) benzene	3.96	78	37921	0.29	ug		95
29) carbon tetrachloride	0.00	117	0+	N.D.			
30) trichloroethene	0.00	130	0+	N.D.			
31) 1,2-dichloropropane	0.00	63	0	N.D.			
32) dibromomethane	0.00	174	0	N.D.			
33) bromodichloromethane	0.00	83	0	N.D.			
34) cis 1,3-dichloropropene	0.00	75	0	N.D.			
35) [MIBK] 4-methyl-2-pentanon	0.00	58	0+	N.D.			
37) toluene	7.01	92	141948	1.72	ug		96
38) trans 1,3-dichloropropene	0.00	75	0	N.D.			
39) 1,1,2-trichloroethane	0.00	83	0	N.D.			
41) 1,3-dichloropropane	0.00	76	0	N.D.			
42) dibromochloromethane	0.00	129	0	N.D.			
43) tetrachloroethene	0.00	166	0+	N.D.			

Data Path : C:\MSDChem\1\DATA_0806jun09c\
Data File : 2700027.D
Acq On : 9 Jun 2008 11:07 pm
Operator : KEY
Sample : #4, 08-1385, MD, 0606081382,
Misc : water, 1Xdil, Marathon Oil
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 10 16:08:32 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration

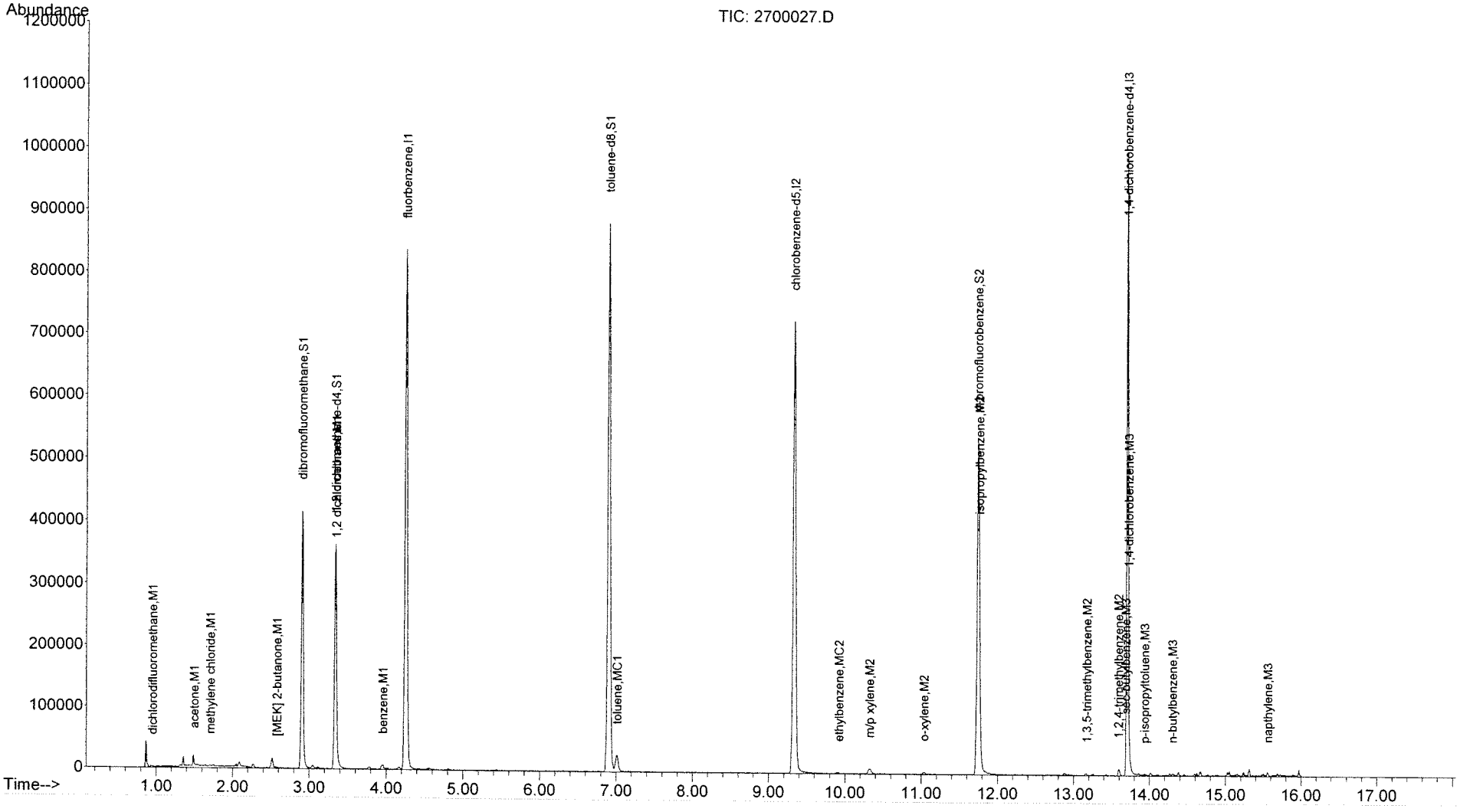
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 1,2-dibromoethane	0.00	107	0	N.D.			
45) chlorobenzene	0.00	112	0	N.D.			
46) 1,1,1,2-tetrachloroethane	0.00	131	0+	N.D.			
47) ethylbenzene	9.92	91	30241+	0.16	ug		82
48) m/p xylene	10.32	91	100199	0.85	ug		98
49) styrene	0.00	104	0	N.D.			
50) o-xylene	11.03	91	38233	0.32	ug	#	94
51) bromoform	0.00	173	0	N.D.			
52) 1,1,2,2-tetrachloroethane	0.00	83	0+	N.D.			
53) isopropylbenzene	11.77	105	1211	0.01	ug	#	37
54) 1,2,3-trichloropropane	0.00	75	0	N.D.			
56) bromobenzene	0.00	156	0	N.D.			
57) 2-chlorotoluene	0.00	126	0	N.D.			
58) n-propylbenzene	0.00	120	0	N.D.			
59) 4-chlorotoluene	0.00	126	0	N.D.			
60) 1,3,5-trimethylbenzene	13.17	105	22589	0.19	ug		97
61) tert-butylbenzene	0.00	119	0	N.D.			
62) 1,2,4-trimethylbenzene	13.60	105	59061	0.50	ug	#	84
63) 1.2-dibromo-3-chloropropan	0.00	157	0	N.D.			
65) 1,3-dichlorobenzene	0.00	146	0	N.D.			
66) p-isopropyltoluene	13.94	119	3694	0.04	ug	#	70
67) sec-butylbenzene	13.68	105	8641	0.07	ug	#	1
68) 1,4-dichlorobenzene	13.73	146	2758	0.05	ug	#	1
69) 1,2-dichlorobenzene	0.00	146	0	N.D.			
70) n-butylbenzene	14.31	91	7771	0.08	ug	#	52
71) 1,2,4-trichlorobenzene	0.00	180	0+	N.D.			
72) hexachlorobutadiene	0.00	225	0+	N.D.			
73) napthylene	15.56	128	13760	0.18	ug	#	84
74) 1,2,3-trichlorobenzene	0.00	180	0+	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun09c\
Data File : 2700027.D
Acq On : 9 Jun 2008 11:07 pm
Operator : KEY
Sample : #4, 08-1385, MD, 0606081382,
Misc : water, 1Xdil, Marathon Oil
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 10 16:08:32 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration



Spike Recovery and RPD Summary Report - WATER

Method Path : C:\MSDCHEM\1\5973N\
Method File : 4VRX8260.M
Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25:27 2008
Last Update : Tue Jun 10 15:25:27 2008
Response Via : Initial Calibration

Datafile Path: C:\MSDCHEM\1\DATA_0806JUN09C\

------Sample-------
File : 2700027.D
Name : #4, 08-1385, MD, 0606081382, Acq Time: 9 Jun 2008 11:07 pm

------Spike--------
File : 2800028.D
Name : #4, 08-1385, MS, 0606081382, Acq Time: 9 Jun 2008 11:32 pm

--Spike Duplicate--
File : 2900029.D
Name : #4, 08-1385, MSD, 0606081382, Acq Time: 9 Jun 2008 11:57 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
dichlorodifluorometh	0.1	40	39	40	98	99	0	30	65-135
chloromethane	0.0	40	42	45	106	111	5	30	65-135
vinyl chloride	0.0	40	42	43	104	106	2	30	65-135
acetone	4.0	40	44	44	99	99	0	30	65-135
diethyl ether	0.0	40	44	43	110	109	1	30	65-135
bromomethane	0.0	40	44	43	109	107	3	30	65-135
chloroethane	0.0	40	43	43	106	108	2	30	65-135
trichlorofluorometha	0.0	40	40	40	100	101	1	30	65-135
1,1-dichloroethene	0.0	40	42	40	104	101	3	30	65-135
methylene chloride	0.1	40	43	43	108	107	1	30	65-135
1,1,2-trichlorotrifl	0.0	40	38	38	96	96	0	30	65-135
allyl chloride	0.0	40	40	44	99	109	9	30	65-135
trans 1,2-dichloroet	0.0	40	42	41	105	103	2	30	65-135
[MTBE] tert-butylmet	0.0	40	42	41	104	103	1	30	65-135
1,1-dichloroethane	0.0	40	43	42	108	106	2	30	65-135
[MEK] 2-butanone	1.4	40	49	41	120	99	19	30	65-135
cis 1,2-dichloroethe	0.0	40	44	42	111	104	7	30	65-135
2,2-dichloropropane	0.0	40	36	36	89	91	2	30	65-135
bromochloromethane	0.0	40	44	42	111	105	5	30	65-135
chloroform (trichlor	0.0	40	44	41	109	102	7	30	65-135
1,1,1-trichloroethan	0.0	40	38	40	96	99	3	30	65-135
1,2 dichloroethane	0.0	40	45	43	112	107	5	30	65-135
1,1-dichloropropene	0.0	40	42	41	106	103	2	30	65-135
benzene	0.3	40	44	43	110	106	4	30	65-135
carbon tetrachloride	0.0	40	37	37	92	92	0	30	65-135
trichloroethene	0.0	40	44	42	109	106	3	30	65-135
1,2-dichloropropane	0.0	40	44	43	110	107	3	30	65-135
dibromomethane	0.0	40	43	40	106	99	7	30	65-135
bromodichloromethane	0.0	40	41	38	101	95	6	30	65-135
cis 1,3-dichloroprop	0.0	40	38	36	94	90	5	30	65-135
[MIBK] 4-methyl-2-pe	0.0	40	42	39	106	99	7	30	65-135
toluene	1.7	40	44	44	106	105	2	30	65-135
trans 1,3-dichloropr	0.0	40	34	32	86	79	9	30	65-135
1,1,2-trichloroethan	0.0	40	45	43	113	107	6	30	65-135
1,3-dichloropropane	0.0	40	47	44	118	109	8	30	65-135
dibromochloromethane	0.0	40	39	36	97	91	7	30	65-135
tetrachloroethene	0.0	40	43	41	107	103	4	30	65-135
1,2-dibromoethane	0.0	40	44	41	111	102	8	30	65-135
chlorobenzene	0.0	40	45	43	111	108	3	30	65-135
1,1,1,2-tetrachloroe	0.0	40	42	40	104	99	5	30	65-135
ethylbenzene	0.2	40	44	42	109	106	3	30	65-135
m/p xylene	0.9	80	88	85	109	105	4	30	65-135

styrene	0.0	40	43	41	107	102	5	30	65-135
o-xylene	0.3	40	45	43	111	107	4	30	65-135
bromoform	0.0	40	35	31	87	77	12	30	65-135
1,1,2,2-tetrachloroe	0.0	40	46	41	114	102	11	30	65-135
isopropylbenzene	0.0	40	43	42	106	105	2	30	65-135
1,2,3-trichloropropa	0.0	40	47	41	118	103	14	30	65-135
bromobenzene	0.0	40	44	42	109	104	5	30	65-135
2-chlorotoluene	0.0	40	43	42	107	106	1	30	65-135
n-propylbenzene	0.0	40	41	40	103	100	3	30	65-135
4-chlorotoluene	0.0	40	42	40	105	99	6	30	65-135
1,3,5-trimethylbenze	0.2	40	42	40	104	99	4	30	65-135
tert-butylbenzene	0.0	40	43	41	106	103	3	30	65-135
1,2,4-trimethylbenze	0.5	40	42	40	103	98	5	30	65-135
1.2-dibromo-3-chloro	0.0	40	40	33	100	82	20	30	65-135
1,3-dichlorobenzene	0.0	40	43	42	108	104	3	30	65-135
p-isopropyltoluene	0.0	40	41	41	102	102	0	30	65-135
sec-butylbenzene	0.1	40	43	43	108	108	1	30	65-135
1,4-dichlorobenzene	0.0	40	43	41	108	104	4	30	65-135
1,2-dichlorobenzene	0.0	40	44	43	110	108	2	30	65-135
n-butylbenzene	0.1	40	39	38	98	95	2	30	65-135
1,2,4-trichlorobenze	0.0	40	36	34	91	85	7	30	65-135
hexachlorobutadiene	0.0	40	40	40	101	100	1	30	65-135
napthylene	0.2	40	41	37	103	93	11	30	65-135
1,2,3-trichlorobenze	0.0	40	40	38	99	95	4	30	65-135

- Fails Limit Check

4VRX8260.M Tue Jun 10 16:10:05 2008

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun09c\
Data File : 2800028.D
Acq On : 9 Jun 2008 11:32 pm
Operator : KEY
Sample : #4, 08-1385, MS, 0606081382,
Misc : water, 1Xdil, Marathon Oil
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 10 16:08:38 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorbenzene	4.26	96	8071723	69.90	ug		0.00
40) chlorobenzene-d5	9.33	54	4507664+	69.90	ug		0.00
64) 1,4-dichlorobenzene-d4	13.71	154	3296258+	69.90	ug		0.00
System Monitoring Compounds							
22) dibromofluoromethane	2.91	113	4880252+	68.71	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 98.30%				
25) 1,2 dichloroethane-d4	3.34	104	2071864+	70.68	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 101.12%				
36) toluene-d8	6.90	100	4874098	68.47	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 97.95%				
55) 4-bromofluorobenzene	11.75	174	4930899+	69.31	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 99.16%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.96	85	1928291	39.42	ug		98
3) chloromethane	1.01	50	1646435	42.48	ug		99
4) vinyl chloride	1.07	62	1656840	41.63	ug	#	99
5) acetone	1.50	58	948451+	43.72	ug		98
6) diethyl ether	1.53	74	2239304+	43.89	ug		98
7) bromomethane	1.20	94	1122023	43.78	ug		97
8) chloroethane	1.24	64	865571	42.54	ug		99
9) trichlorofluoromethane	1.44	101	2468909	39.99	ug		99
10) 1,1-dichloroethene	1.64	96	1254826	41.68	ug		98
11) methylene chloride	1.71	84	1396079	43.28	ug		97
12) 1,1,2-trichlorotrifluoroet	1.74	151	3757426+	38.38	ug		99
13) allyl chloride	1.75	78	2642621+	39.74	ug		100
14) trans 1,2-dichloroethene	2.06	96	1397723	41.91	ug		98
15) [MTBE] tert-butylmethyl et	2.14	73	3259962	41.70	ug		98
16) 1,1-dichloroethane	2.20	63	2340744	43.15	ug		99
17) [MEK] 2-butanone	2.56	72	1504508+	49.36	ug		100
18) cis 1,2-dichloroethene	2.62	96	1540150	44.40	ug		98
19) 2,2-dichloropropane	2.86	77	2826925+	35.50	ug		94
20) bromochloromethane	2.74	128	1818191+	44.41	ug		98
21) chloroform (trichlorometha	2.80	83	2962770	43.68	ug		100
23) tetrahydrofruan	3.11	71	1654562m+	36.89	ug		
24) 1,1,1-trichloroethane	3.51	97	3675166+	38.38	ug		99
26) 1,2 dichloroethane	3.42	62	2127993	44.80	ug		99
27) 1,1-dichloropropene	3.73	75	2113526	42.20	ug		98
28) benzene	3.96	78	5574587	44.14	ug		99
29) carbon tetrachloride	3.89	117	3827745+	36.86	ug		100
30) trichloroethene	4.78	130	3249004+	43.55	ug		99
31) 1,2-dichloropropane	4.71	63	1385249	44.12	ug		100
32) dibromomethane	4.64	174	986099	42.53	ug		94
33) bromodichloromethane	4.84	83	1855397	40.51	ug		98
34) cis 1,3-dichloropropene	5.83	75	1783978	37.78	ug		99
35) [MIBK] 4-methyl-2-pentanon	6.13	58	2069922+	42.42	ug		100
37) toluene	7.01	92	3588615	44.32	ug		100
38) trans 1,3-dichloropropene	6.55	75	1425369	34.40	ug		99
39) 1,1,2-trichloroethane	6.71	83	1090315	45.31	ug		98
41) 1,3-dichloropropane	7.12	76	2121951	47.18	ug		98
42) dibromochloromethane	7.42	129	1278868	38.95	ug		99
43) tetrachloroethene	8.18	166	2925455+	42.99	ug		99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun09c\
Data File : 2800028.D
Acq On : 9 Jun 2008 11:32 pm
Operator : KEY
Sample : #4, 08-1385, MS, 0606081382,
Misc : water, 1Xdil, Marathon Oil
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 10 16:08:38 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 1,2-dibromoethane	7.80	107	1323440	44.36	ug		98
45) chlorobenzene	9.39	112	3862507	44.50	ug		99
46) 1,1,1,2-tetrachloroethane	9.28	131	2630696+	41.72	ug		99
47) ethylbenzene	9.90	91	8589604+	43.78	ug		99
48) m/p xylene	10.32	91	10378067	87.95	ug		100
49) styrene	10.91	104	3674968	42.63	ug		100
50) o-xylene	11.03	91	5375944	44.59	ug		100
51) bromoform	10.20	173	756352	34.87	ug		98
52) 1,1,2,2-tetrachloroethane	11.01	83	2706645+	45.60	ug		99
53) isopropylbenzene	11.80	105	6259743	42.56	ug		100
54) 1,2,3-trichloropropane	11.27	75	1241128	47.39	ug		99
56) bromobenzene	12.01	156	1715670	43.51	ug		98
57) 2-chlorotoluene	12.66	126	1541431	42.97	ug		96
58) n-propylbenzene	12.64	120	1524915	41.17	ug		99
59) 4-chlorotoluene	12.80	126	1483710	41.88	ug		97
60) 1,3,5-trimethylbenzene	13.16	105	4925069	41.66	ug		99
61) tert-butylbenzene	13.42	119	4394614	42.51	ug		100
62) 1,2,4-trimethylbenzene	13.60	105	4926882	41.86	ug		99
63) 1.2-dibromo-3-chloropropan	14.49	157	286608	39.92	ug		97
65) 1,3-dichlorobenzene	13.65	146	2909645	43.05	ug		99
66) p-isopropyltoluene	13.93	119	4897021	41.03	ug		99
67) sec-butylbenzene	13.68	105	6477663	43.19	ug	#	99
68) 1,4-dichlorobenzene	13.74	146	2959855	43.15	ug		99
69) 1,2-dichlorobenzene	14.07	146	2842751	44.11	ug		98
70) n-butylbenzene	14.31	91	4489392	39.14	ug		100
71) 1,2,4-trichlorobenzene	15.43	180	2973549+	36.50	ug		99
72) hexachlorobutadiene	15.63	225	2029967+	40.33	ug		99
73) napthylene	15.56	128	3619107	41.37	ug	#	99
74) 1,2,3-trichlorobenzene	15.67	180	3027429+	39.55	ug		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun09c\
Data File : 2900029.D
Acq On : 9 Jun 2008 11:57 pm
Operator : KEY
Sample : #4, 08-1385, MSD, 0606081382,
Misc : water, 1Xdil, Marathon Oil
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 10 16:08:43 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorbenzene	4.26	96	8214185	69.90	ug		0.00
40) chlorobenzene-d5	9.33	54	4662519+	69.90	ug		0.00
64) 1,4-dichlorobenzene-d4	13.71	154	3301060+	69.90	ug		0.00
System Monitoring Compounds							
22) dibromofluoromethane	2.91	113	4923159+	68.11	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 97.44%				
25) 1,2 dichloroethane-d4	3.34	104	2066850+	69.29	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 99.13%				
36) toluene-d8	6.90	100	5066948	69.95	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 100.07%				
55) 4-bromofluorobenzene	11.75	174	5072452+	68.93	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 98.61%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.96	85	1970547	39.58	ug		99
3) chloromethane	1.01	50	1756330	44.53	ug		100
4) vinyl chloride	1.07	62	1724170	42.57	ug	#	99
5) acetone	1.50	58	963553+	43.64	ug		99
6) diethyl ether	1.53	74	2257437+	43.48	ug		98
7) bromomethane	1.20	94	1111702	42.62	ug		98
8) chloroethane	1.24	64	897643	43.36	ug		99
9) trichlorofluoromethane	1.44	101	2526773	40.22	ug		99
10) 1,1-dichloroethene	1.64	96	1237551	40.39	ug		97
11) methylene chloride	1.71	84	1402100	42.71	ug		96
12) 1,1,2-trichlorotrifluoroet	1.74	151	3813653+	38.28	ug		99
13) allyl chloride	1.75	78	2950015+	43.59	ug		99
14) trans 1,2-dichloroethene	2.06	96	1392230	41.02	ug		98
15) [MTBE] tert-butylmethyl et	2.14	73	3285282	41.30	ug		97
16) 1,1-dichloroethane	2.20	63	2345413	42.48	ug		99
17) [MEK] 2-butanone	2.56	72	1273065+	41.04	ug		100
18) cis 1,2-dichloroethene	2.62	96	1465449	41.52	ug		99
19) 2,2-dichloropropane	2.86	77	2945996+	36.36	ug		99
20) bromochloromethane	2.74	128	1755887+	42.14	ug		99
21) chloroform (trichlorometha	2.80	83	2819802	40.85	ug		100
23) tetrahydrofruan	3.11	71	1569799m+	34.39	ug		
24) 1,1,1-trichloroethane	3.51	97	3861911+	39.63	ug		99
26) 1,2 dichloroethane	3.42	62	2061236	42.64	ug		99
27) 1,1-dichloropropene	3.73	75	2106080	41.32	ug		99
28) benzene	3.96	78	5473263	42.59	ug		100
29) carbon tetrachloride	3.89	117	3877719+	36.69	ug		100
30) trichloroethene	4.78	130	3215855+	42.36	ug		98
31) 1,2-dichloropropane	4.71	63	1362973	42.66	ug		100
32) dibromomethane	4.64	174	936940	39.71	ug		92
33) bromodichloromethane	4.84	83	1770349	37.98	ug		99
34) cis 1,3-dichloropropene	5.83	75	1733558	36.07	ug		99
35) [MIBK] 4-methyl-2-pentanon	6.13	58	1958475+	39.44	ug		100
37) toluene	7.01	92	3597134	43.65	ug		98
38) trans 1,3-dichloropropene	6.55	75	1330789	31.56	ug		98
39) 1,1,2-trichloroethane	6.71	83	1049608	42.86	ug		98
41) 1,3-dichloropropane	7.12	76	2032115	43.69	ug		98
42) dibromochloromethane	7.42	129	1237676	36.44	ug		99
43) tetrachloroethene	8.18	166	2900895+	41.22	ug		100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun09c\
Data File : 2900029.D
Acq On : 9 Jun 2008 11:57 pm
Operator : KEY
Sample : #4, 08-1385, MSD, 0606081382,
Misc : water, 1Xdil, Marathon Oil
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 10 16:08:43 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25
:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 1,2-dibromoethane	7.80	107	1260948	40.86	ug		99
45) chlorobenzene	9.39	112	3863695	43.04	ug		99
46) 1,1,1,2-tetrachloroethane	9.28	131	2587016+	39.67	ug		99
47) ethylbenzene	9.90	91	8624041+	42.50	ug		99
48) m/p xylene	10.32	91	10316440	84.52	ug		99
49) styrene	10.91	104	3625639	40.66	ug		99
50) o-xylene	11.03	91	5364530	43.02	ug		99
51) bromoform	10.19	173	694707	30.96	ug		99
52) 1,1,2,2-tetrachloroethane	11.01	83	2506587+	40.83	ug		99
53) isopropylbenzene	11.80	105	6373184	41.89	ug		99
54) 1,2,3-trichloropropane	11.27	75	1114660	41.15	ug		99
56) bromobenzene	12.01	156	1693468	41.52	ug		99
57) 2-chlorotoluene	12.66	126	1576546	42.49	ug		92
58) n-propylbenzene	12.64	120	1535548	40.08	ug		99
59) 4-chlorotoluene	12.80	126	1448615	39.53	ug		99
60) 1,3,5-trimethylbenzene	13.16	105	4873913	39.85	ug		100
61) tert-butylbenzene	13.42	119	4426197	41.40	ug		100
62) 1,2,4-trimethylbenzene	13.60	105	4830996	39.69	ug		99
63) 1.2-dibromo-3-chloropropan	14.49	157	242354	32.64	ug		96
65) 1,3-dichlorobenzene	13.65	146	2821241	41.68	ug		100
66) p-isopropyltoluene	13.93	119	4897389	40.98	ug		99
67) sec-butylbenzene	13.68	105	6525300	43.45	ug	#	97
68) 1,4-dichlorobenzene	13.74	146	2847201	41.45	ug		100
69) 1,2-dichlorobenzene	14.07	146	2787538	43.19	ug		99
70) n-butylbenzene	14.31	91	4386544	38.19	ug		99
71) 1,2,4-trichlorobenzene	15.43	180	2768334+	33.93	ug		100
72) hexachlorobutadiene	15.63	225	2013853+	39.95	ug		98
73) napthylene	15.56	128	3258594	37.20	ug	#	99
74) 1,2,3-trichlorobenzene	15.67	180	2910796+	37.97	ug		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

KEY LABORATORIES, INC.
2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil Company**
Client Project Name : **Spring**

Lab QC Batch Sample : **08-1385, #4**
Key Lab # : **08-0002**
Work Order # : **0101080000**
Date Recieved : **06/06/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 2200022.D
Date Analyzed : 9 Jun 2008 9:01 pm
Data File Path : C:\MSDCHEM\1\DATA_0806JUN09C\
Lab Sample Information : 5uL #372
Lab Sample Number : **Blank, 08-0002, 0101080000,**

Client Sample Number : **Blank**

Sampling Date : **6/6/2008**
Sampling Time :
Sample Matrix : **water**
Sampler : **Adell**

Reported==>> x DF = 1

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc		RDL	Qual	MQL
75-71-8	M1	**dichlorodifluoromethane**	x	8160	0.15	2	ug	1.		<	2.		480
74-87-3	MP1	**chloromethane**	x	0	0.00	2	ug	1.		<	2.		480
75-01-4	MC1	**vinyl chloride**	x	0	0.00	2	ug	1.		<	2.		480
67-64-1	M1	**acetone**	x	140384	6.00	6.05	ug	1.		<	6.05		480
60-29-7	M1	**diethyl ether**	x	0	0.00	2	ug	1.		<	2.		480
74-83-9	M1	**bromomethane**	x	1694	0.06	2	ug	1.		<	2.		480
75-00-3	M1	**chloroethane**	x	1231	0.06	2	ug	1.		<	2.		480
75-69-4	M1	**trichlorofluoromethane**	x	3831	0.06	1	ug	1.		<	1.		480
75-35-4	MC1	**1,1-dichloroethene**	x	1600	0.05	1	ug	1.		<	1.		480
75-09-2	M1	**methylene chloride**	x	3572	0.10	1	ug	1.		<	1.		480
76-13-1	M1	**1,1,2-trichlorotrifluoroethane**	x	13581	0.13	1	ug	1.		<	1.		480
107-05-1	M1	**allyl chloride**	x	0	0.00	1	ug	1.		<	1.		480
156-60-5	M1	**trans 1,2-dichloroethene**	x	0	0.00	1	ug	1.		<	1.		480
1634-04-4	M1	**[MTBE] tert-butylmethyl ether**	x	0	0.00	1	ug	1.		<	1.		480
75-34-3	MP1	**1,1-dichloroethane**	x	3097	0.05	1	ug	1.		<	1.		480
78-93-3	M1	**[MEK] 2-butanone**	x	0	0.00	2	ug	1.		<	2.		480
156-59-4	M1	**cis 1,2-dichloroethene**	x	0	0.00	1	ug	1.		<	1.		480
590-20-7	M1	**2,2-dichloropropane**	x	0	0.00	1	ug	1.		<	1.		480
74-97-5	M1	**bromochloromethane**	x	0	0.00	1	ug	1.		<	1.		480
67-66-3	MC1	**chloroform (trichloromethane)**	x	55142	0.75	1	ug	1.		<	1.		480
109-99-9	H1	**tetrahydrofruan**	x	9510	0.20	2	ug	1.		<	2.		480
71-55-6	M1	**1,1,1-trichloroethane**	x	0	0.00	1	ug	1.		<	1.		480
107-06-2	M1	**1,2 dichloroethane**	x	1814	0.04	1	ug	1.		<	1.		480
563-58-6	M1	**1,1-dichloropropene**	x	1815	0.03	1	ug	1.		<	1.		480
71-43-2	M1	**benzene**	x	66268	0.49	1	ug	1.		<	1.		480
56-26-5	M1	**carbon tetrachloride**	x	0	0.00	1	ug	1.		<	1.		480
79-01-6	M1	**trichloroethene**	x	0	0.00	1	ug	1.		<	1.		480
78-87-5	MC1	**1,2-dichloropropane**	x	0	0.00	1	ug	1.		<	1.		480
74-95-3	M1	**dibromomethane**	x	0	0.00	1	ug	1.		<	1.		480
75-27-4	M1	**bromodichloromethane**	x	0	0.00	1	ug	1.		<	1.		480
10061-01-5	M1	**cis 1,3-dichloropropene**	x	0	0.00	1	ug	1.		<	1.		480
108-10-1	M1	**[MIBK] 4-methyl-2-pentanone**	x	0	0.00	1	ug	1.		<	1.		480
108-88-3	MC1	**toluene**	x	219143	2.51	2.55	ug	1.		<	2.55		480
10061-02-6	M1	**trans 1,3-dichloropropene**	x	0	0.00	1	ug	1.		<	1.		480
79-00-5	M1	**1,1,2-trichloroethane**	x	0	0.00	1	ug	1.		<	1.		480
142-28-9	M2	**1,3-dichloropropane**	x	0	0.00	1	ug	1.		<	1.		480
124-48-1	M2	**dibromochloromethane**	x	0	0.00	1	ug	1.		<	1.		480
127-18-4	M2	**tetrachloroethene**	x	1117	0.02	1	ug	1.		<	1.		480
106-93-4	M2	**1,2-dibromoethane**	x	0	0.00	1	ug	1.		<	1.		480
108-90-7	MP2	**chlorobenzene**	x	4372	0.05	1	ug	1.		<	1.		480
630-20-6	M2	**1,1,1,2-tetrachloroethane**	x	0	0.00	1	ug	1.		<	1.		480
100-41-4	MC2	**ethylbenzene**	x	119769	0.59	1	ug	1.		<	1.		480
	M2	**m/p xylene**	x	299105	2.44	2.45	ug	1.		<	2.45		960
100-42-5	M2	**styrene**	x	2371	0.03	1	ug	1.		<	1.		480
95-47-6	M2	**o-xylene**	x	99644	0.79	1	ug	1.		<	1.		480
75-25-2	MP2	**bromoform**	x	0	0.00	1	ug	1.		<	1.		480
79-34-5	MP2	**1,1,2,2-tetrachloroethane**	x	0	0.00	1	ug	1.		<	1.		480
98-82-8	M2	**isopropylbenzene**	x	9054	0.06	1	ug	1.		<	1.		480
96-18-4	M2	**1,2,3-trichloropropane**	x	0	0.00	1	ug	1.		<	1.		480
108-86-1	M2	**bromobenzene**	x	0	0.00	1	ug	1.		<	1.		480
95-49-8	M2	**2-chlorotoluene**	x	0	0.00	1	ug	1.		<	1.		480
103-65-1	M2	**n-propylbenzene**	x	7001	0.18	1	ug	1.		<	1.		480

KEY LABORATORIES, INC.
2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil Company**
Client Project Name : **Spring**

Client Sample Number : **Blank**

Sampling Date : **6/6/2008**
Sampling Time :
Sample Matrix : **water**
Sampler : **Adell**

Lab QC Batch Sample : **08-1385, #4**
Key Lab # : **08-0002**
Work Order # : **0101080000**
Date Recieved : **06/06/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 2200022.D
Date Analyzed : 9 Jun 2008 9:01 pm
Data File Path : C:\MSDCHEM\1\DATA_0806JUN09C\
Lab Sample Information : 5uL #372
Lab Sample Number : **Blank, 08-0002, 0101080000,**

Reported==>> x DF = 1

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc		RDL	Qual	MQL
106-43-4	M2	**4-chlorotoluene**	x	0	0.00	1	ug	1.		<	1.		480
108-67-8	M2	**1,3,5-trimethylbenzene**	x	43433	0.35	1	ug	1.		<	1.		480
98-06-6	M2	**tert-butylbenzene**	x	5006	0.05	1	ug	1.		<	1.		480
95-63-6	M2	**1,2,4-trimethylbenzene**	x	114647	0.94	1	ug	1.		<	1.		480
96-12-8	M2	**1.2-dibromo-3-chloropropane**	x	0	0.00	1	ug	1.		<	1.		480
541-73-1	M3	**1,3-dichlorobenzene**	x	9075	0.14	1	ug	1.		<	1.		480
99-87-6	M3	**p-isopropyltoluene**	x	8157	0.07	1	ug	1.		<	1.		480
135-98-8	M3	**sec-butylbenzene**	x	16322	0.12	1	ug	1.		<	1.		480
106-46-7	M3	**1,4-dichlorobenzene**	x	12073	0.19	1	ug	1.		<	1.		480
95-50-1	M3	**1,2-dichlorobenzene**	x	5135	0.09	1	ug	1.		<	1.		480
104-51-8	M3	**n-butylbenzene**	x	8343	0.08	1	ug	1.		<	1.		480
87-61-6	M3	**1,2,4-trichlorobenzene**	x	9308	0.12	2	ug	1.		<	2.		480
87-68-3	M3	**hexachlorobutadiene**	x	4383	0.09	2	ug	1.		<	2.		480
91-20-3	M3	**napthylene**	x	30444	0.37	2	ug	1.		<	2.		480
120-82-1	M3	**1,2,3-trichlorobenzene**	x	13818	0.19	2	ug	1.		<	2.		480

CAS#	Type	System Monitoring Compounds	Resp.	Amt.	Area%	Units		Water Limits	r Limits		Soil Limits	Spike	%Rec
1868-53-7	S1	**dibromofluoromethane**	5031228	65.73	**97**	ug	5211326	65 -	135	50 -	150	69.9	**94.**
17060-07-0	M1	**1,2 dichloroethane-d4**	2194769	69.48	**102**	ug	2150224	65 -	135	50 -	150	69.9	**99.4**
2037-26-5	S1	**toluene-d8**	5236600	68.26	**99**	ug	5285330	65 -	135	50 -	150	69.9	**97.7**
460-00-4	S2	**4-bromofluorobenzene**	5018643	67.85	**91**	ug	5531588	65 -	135	50 -	150	69.9	**97.1**

CAS#	Type	Internal Stanard Compounds	Resp.	Amt.	Area%	Units		Spike
462-06-6	I1	**fluorbenzene**	8699265	69.90	**103**	ug	8484018	69.9
3114-55-4	I2	**chlorobenzene-d5**	4686964	69.90	**93**	ug	5060990	69.9
3855-82-1	I3	**1,4-dichlorobenzene-d4**	3086797	69.90	**79**	ug	3894374	69.9

MDL = Method Detection Limit
PQL = Practical Quantition Limit = 4 x MDL
RDL = Reporting Detection Limit = MDL x Dilution Factor
MQL = Maximum Quantitation Limit = 110% x DF x Highest Calibration Standard

Reporting basis is Kg for solids and L for liquids

J qualifier = MDL < Result < PQL
E qualifier = Estimated Result > Highest Calibration Standard

Analyst

Approved

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun09c\
Data File : 2200022.D
Acq On : 9 Jun 2008 9:01 pm
Operator : KEY
Sample : Blank, 08-0002, 0101080000,
Misc : 5uL #372
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 10 15:26:24 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorbenzene	4.26	96	8699265	69.90	ug		0.00
40) chlorobenzene-d5	9.34	54	4686964+	69.90	ug		0.00
64) 1,4-dichlorobenzene-d4	13.71	154	3086797+	69.90	ug		0.00
System Monitoring Compounds							
22) dibromofluoromethane	2.91	113	5031228+	65.73	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 94.03%				
25) 1,2 dichloroethane-d4	3.34	104	2194769+	69.48	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 99.40%				
36) toluene-d8	6.91	100	5236600	68.26	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 97.65%				
55) 4-bromofluorobenzene	11.75	174	5018643+	67.85	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 97.07%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.96	85	8160	0.15	ug	#	82
3) chloromethane	0.00	50	0	N.D.			
4) vinyl chloride	0.00	62	0	N.D.			
5) acetone	1.50	58	140384+	6.00	ug	#	79
6) diethyl ether	0.00	74	0+	N.D.			
7) bromomethane	1.19	94	1694	0.06	ug	#	1
8) chloroethane	1.24	64	1231	0.06	ug	#	1
9) trichlorofluoromethane	1.44	101	3831	0.06	ug	#	75
10) 1,1-dichloroethene	1.64	96	1600	0.05	ug	#	45
11) methylene chloride	1.71	84	3572	0.10	ug	#	70
12) 1,1,2-trichlorotrifluoroet	1.74	151	13581+	0.13	ug		94
13) allyl chloride	0.00	78	0+	N.D.			
14) trans 1,2-dichloroethene	0.00	96	0	N.D.			
15) [MTBE] tert-butylmethyl et	0.00	73	0	N.D.			
16) 1,1-dichloroethane	2.20	63	3097	0.05	ug	#	52
17) [MEK] 2-butanone	0.00	72	0+	N.D.			
18) cis 1,2-dichloroethene	0.00	96	0	N.D.			
19) 2,2-dichloropropane	0.00	77	0+	N.D.			
20) bromochloromethane	0.00	128	0+	N.D.			
21) chloroform (trichlorometha	2.80	83	55142	0.75	ug		92
23) tetrahydrofruan	3.11	71	9510m+	0.20	ug		
24) 1,1,1-trichloroethane	0.00	97	0+	N.D.			
26) 1,2 dichloroethane	3.33	62	1814	0.04	ug	#	1
27) 1,1-dichloropropene	3.74	75	1815	0.03	ug	#	44
28) benzene	3.96	78	66268	0.49	ug		95
29) carbon tetrachloride	0.00	117	0+	N.D.			
30) trichloroethene	0.00	130	0+	N.D.			
31) 1,2-dichloropropane	0.00	63	0	N.D.			
32) dibromomethane	0.00	174	0	N.D.			
33) bromodichloromethane	0.00	83	0	N.D.			
34) cis 1,3-dichloropropene	0.00	75	0	N.D.			
35) [MIBK] 4-methyl-2-pentanon	0.00	58	0+	N.D.			
37) toluene	7.02	92	219143	2.51	ug		100
38) trans 1,3-dichloropropene	0.00	75	0	N.D.			
39) 1,1,2-trichloroethane	0.00	83	0	N.D.			
41) 1,3-dichloropropane	0.00	76	0	N.D.			
42) dibromochloromethane	0.00	129	0	N.D.			
43) tetrachloroethene	8.19	166	1117+	0.02	ug		34

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun09c\
Data File : 2200022.D
Acq On : 9 Jun 2008 9:01 pm
Operator : KEY
Sample : Blank, 08-0002, 0101080000,
Misc : 5uL #372
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 10 15:26:24 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration

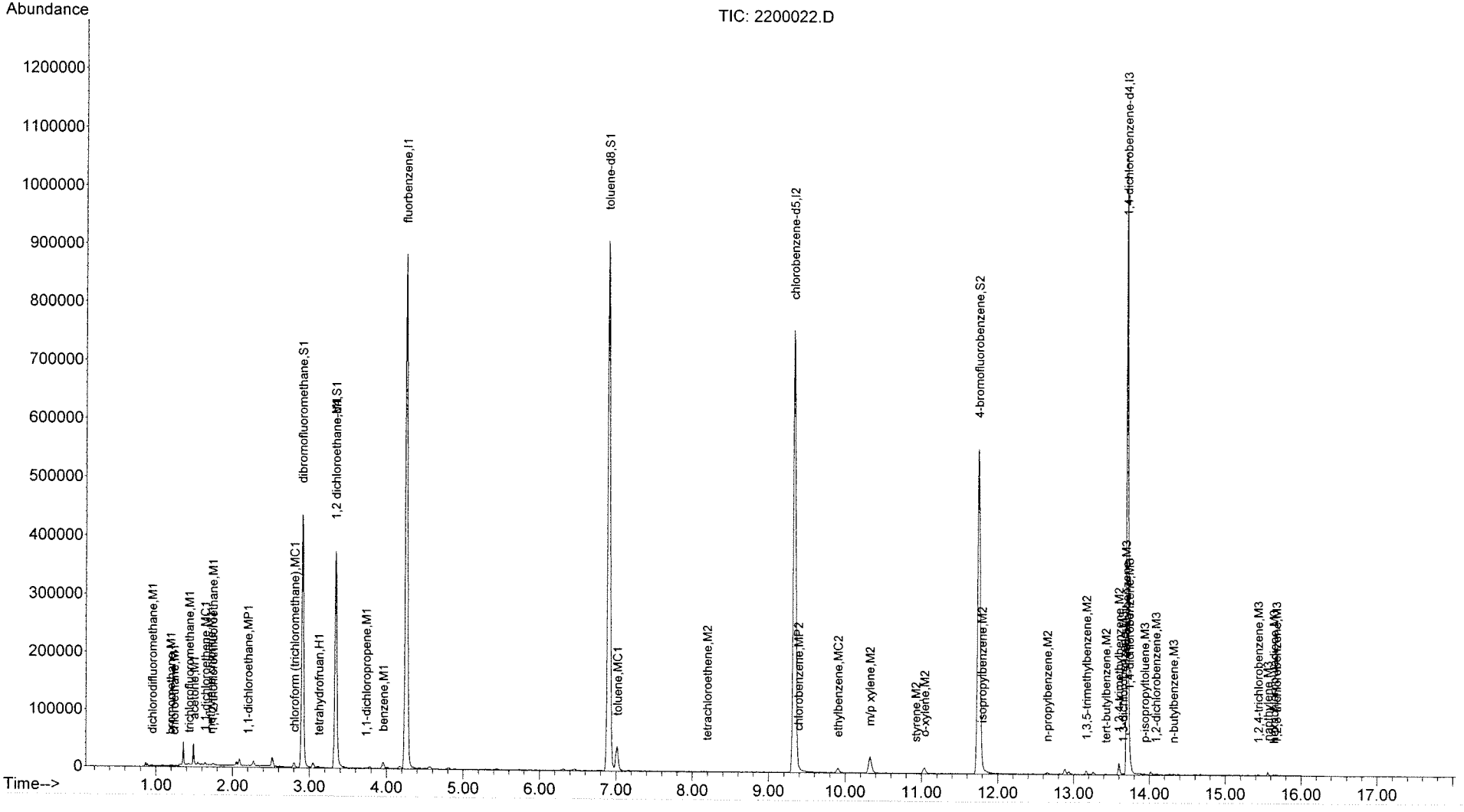
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
44) 1,2-dibromoethane	0.00	107	0	N.D.		
45) chlorobenzene	9.39	112	4372	0.05 ug	#	1
46) 1,1,1,2-tetrachloroethane	0.00	131	0+	N.D.		
47) ethylbenzene	9.91	91	119769+	0.59 ug		96
48) m/p xylene	10.33	91	299105	2.44 ug		98
49) styrene	10.93	104	2371	0.03 ug	#	56
50) o-xylene	11.04	91	99644	0.79 ug		96
51) bromoform	0.00	173	0	N.D.		
52) 1,1,2,2-tetrachloroethane	0.00	83	0+	N.D.		
53) isopropylbenzene	11.80	105	9054	0.06 ug	#	37
54) 1,2,3-trichloropropane	0.00	75	0	N.D.		
56) bromobenzene	0.00	156	0	N.D.		
57) 2-chlorotoluene	0.00	126	0	N.D.		
58) n-propylbenzene	12.65	120	7001	0.18 ug	#	36
59) 4-chlorotoluene	0.00	126	0	N.D.		
60) 1,3,5-trimethylbenzene	13.17	105	43433	0.35 ug		98
61) tert-butylbenzene	13.43	119	5006	0.05 ug	#	68
62) 1,2,4-trimethylbenzene	13.60	105	114647	0.94 ug		97
63) 1.2-dibromo-3-chloropropan	0.00	157	0	N.D.		
65) 1,3-dichlorobenzene	13.66	146	9075	0.14 ug	#	64
66) p-isopropyltoluene	13.94	119	8157	0.07 ug	#	50
67) sec-butylbenzene	13.68	105	16322	0.12 ug	#	1
68) 1,4-dichlorobenzene	13.74	146	12073	0.19 ug	#	1
69) 1,2-dichlorobenzene	14.08	146	5135	0.09 ug		98
70) n-butylbenzene	14.32	91	8343	0.08 ug	#	84
71) 1,2,4-trichlorobenzene	15.43	180	9308+	0.12 ug		83
72) hexachlorobutadiene	15.64	225	4383+	0.09 ug		53
73) napthylene	15.56	128	30444	0.37 ug	#	93
74) 1,2,3-trichlorobenzene	15.67	180	13818+	0.19 ug		89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun09c\
Data File : 2200022.D
Acq On : 9 Jun 2008 9:01 pm
Operator : KEY
Sample : Blank, 08-0002, 0101080000,
Misc : 5uL #372
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 10 15:26:24 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration



KEY LABORATORIES, INC.
2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil Company**
Client Project Name : **Spring**

Lab QC Batch Sample : **08-1385, #4**
Key Lab # : **08-0001**
Work Order # : **0101080000**
Date Recieved : **06/06/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 2100021.D
Date Analyzed : 9 Jun 2008 8:18 pm
Data File Path : C:\MSDCHEM\1\DATA_0806JUN09C\
Lab Sample Information : 1uL #375 + 1uL #376 + 5uL #372
Lab Sample Number : **CC 8260 40ppb, 08-0001, 0101080000,**

Client Sample Number : **Continuing Calibration Check**
Sampling Date : **6/6/2008**
Sampling Time :
Sample Matrix : **water**
Sampler : **Adell**

Reported==>> x DF = 1

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc	RDL	Qual	MQL	Spike	%Rec
75-71-8	M1	**dichlorodifluoromethane**	x	2178731	41.77	2	ug	1.	**42 ug/L**	2.		480	40.	**104.4**
74-87-3	MP1	**chloromethane**	x	1900047	45.97	2	ug	1.	**46 ug/L**	2.		480	40.	**114.9**
75-01-4	MC1	**vinyl chloride**	x	1876517	44.22	2	ug	1.	**44 ug/L**	2.		480	40.	**110.6**
67-64-1	M1	**acetone**	x	1040481	44.98	6.05	ug	1.	**45 ug/L**	6.05		480	40.	**112.5**
60-29-7	M1	**diethyl ether**	x	2393681	44.00	2	ug	1.	**44 ug/L**	2.		480	40.	**110.0**
74-83-9	M1	**bromomethane**	x	1120432	41.00	2	ug	1.	**41 ug/L**	2.		480	40.	**102.5**
75-00-3	M1	**chloroethane**	x	961344	44.32	2	ug	1.	**44 ug/L**	2.		480	40.	**110.8**
75-69-4	M1	**trichlorofluoromethane**	x	2701383	41.04	1	ug	1.	**41 ug/L**	1.		480	40.	**102.6**
75-35-4	MC1	**1,1-dichloroethene**	x	1333104	41.53	1	ug	1.	**42 ug/L**	1.		480	40.	**103.8**
75-09-2	M1	**methylene chloride**	x	1512217	43.97	1	ug	1.	**44 ug/L**	1.		480	40.	**109.9**
76-13-1	M1	**1,1,2-trichlorotrifluoroethane**	x	4096584	39.24	1	ug	1.	**39 ug/L**	1.		480	40.	**98.1**
107-05-1	M1	**allyl chloride**	x	2966848	41.84	1	ug	1.	**42 ug/L**	1.		480	40.	**104.6**
156-60-5	M1	**trans 1,2-dichloroethene**	x	1486441	41.80	1	ug	1.	**42 ug/L**	1.		480	40.	**104.5**
1634-04-4	M1	**[MTBE] tert-butylmethyl ether**	x	3609723	43.31	1	ug	1.	**43 ug/L**	1.		480	40.	**108.3**
75-34-3	MP1	**1,1-dichloroethane**	x	2506990	43.34	1	ug	1.	**43 ug/L**	1.		480	40.	**108.4**
78-93-3	M1	**[MEK] 2-butanone**	x	1502494	46.23	2	ug	1.	**46 ug/L**	2.		480	40.	**115.6**
156-59-4	M1	**cis 1,2-dichloroethene**	x	1628616	44.04	1	ug	1.	**44 ug/L**	1.		480	40.	**110.1**
590-20-7	M1	**2,2-dichloropropane**	x	3289584	38.75	1	ug	1.	**39 ug/L**	1.		480	40.	**96.9**
74-97-5	M1	**bromochloromethane**	x	1866999	42.77	1	ug	1.	**43 ug/L**	1.		480	40.	**106.9**
67-66-3	MC1	**chloroform (trichloromethane)**	x	3145999	43.50	1	ug	1.	**43 ug/L**	1.		480	40.	**108.7**
109-99-9	H1	**tetrahydrofruan**	x	1844469	38.57	2	ug	1.	**39 ug/L**	2.		480	40.	**96.4**
71-55-6	M1	**1,1,1-trichloroethane**	x	3904533	38.25	1	ug	1.	**38 ug/L**	1.		480	40.	**95.6**
107-06-2	M1	**1,2 dichloroethane**	x	2234178	44.11	1	ug	1.	**44 ug/L**	1.		480	40.	**110.3**
563-58-6	M1	**1,1-dichloropropene**	x	2277867	42.66	1	ug	1.	**43 ug/L**	1.		480	40.	**106.6**
71-43-2	M1	**benzene**	x	5984401	44.44	1	ug	1.	**44 ug/L**	1.		480	40.	**111.1**
56-26-5	M1	**carbon tetrachloride**	x	4131483	37.31	1	ug	1.	**37 ug/L**	1.		480	40.	**93.3**
79-01-6	M1	**trichloroethene**	x	3400288	42.75	1	ug	1.	**43 ug/L**	1.		480	40.	**106.9**
78-87-5	MC1	**1,2-dichloropropane**	x	1477307	44.13	1	ug	1.	**44 ug/L**	1.		480	40.	**110.3**
74-95-3	M1	**dibromomethane**	x	1074863	43.47	1	ug	1.	**43 ug/L**	1.		480	40.	**108.7**
75-27-4	M1	**bromodichloromethane**	x	1953463	40.00	1	ug	1.	**40 ug/L**	1.		480	40.	**100.0**
10061-01-5	M1	**cis 1,3-dichloropropene**	x	1901389	37.76	1	ug	1.	**38 ug/L**	1.		480	40.	**94.4**
108-10-1	M1	**[MIBK] 4-methyl-2-pentanone**	x	2264732	43.52	1	ug	1.	**44 ug/L**	1.		480	40.	**108.8**
108-88-3	MC1	**toluene**	x	3773536	43.71	2.55	ug	1.	**44 ug/L**	2.55		480	40.	**109.3**
10061-02-6	M1	**trans 1,3-dichloropropene**	x	1516896	34.34	1	ug	1.	**34 ug/L**	1.		480	40.	**85.8**
79-00-5	M1	**1,1,2-trichloroethane**	x	1122584	43.76	1	ug	1.	**44 ug/L**	1.		480	40.	**109.4**
142-28-9	M2	**1,3-dichloropropane**	x	2239474	46.40	1	ug	1.	**46 ug/L**	1.		480	40.	**116.0**
124-48-1	M2	**dibromochloromethane**	x	1309506	37.16	1	ug	1.	**37 ug/L**	1.		480	40.	**92.9**
127-18-4	M2	**tetrachloroethene**	x	3177218	43.51	1	ug	1.	**44 ug/L**	1.		480	40.	**108.8**
106-93-4	M2	**1,2-dibromoethane**	x	1425795	44.53	1	ug	1.	**45 ug/L**	1.		480	40.	**111.3**
108-90-7	MP2	**chlorobenzene**	x	4160435	44.66	1	ug	1.	**45 ug/L**	1.		480	40.	**111.7**
630-20-6	M2	**1,1,1,2-tetrachloroethane**	x	2724753	40.27	1	ug	1.	**40 ug/L**	1.		480	40.	**100.7**
100-41-4	MC2	**ethylbenzene**	x	9201091	43.70	1	ug	1.	**44 ug/L**	1.		480	40.	**109.3**
	M2	**m/p xylene**	x	11104227	87.68	2.45	ug	1.	**88 ug/L**	2.45		960	80.	**109.6**
100-42-5	M2	**styrene**	x	3985248	43.08	1	ug	1.	**43 ug/L**	1.		480	40.	**107.7**
95-47-6	M2	**o-xylene**	x	5720603	44.21	1	ug	1.	**44 ug/L**	1.		480	40.	**110.5**
75-25-2	MP2	**bromoform**	x	775561	33.32	1	ug	1.	**33 ug/L**	1.		480	40.	**83.3**
79-34-5	MP2	**1,1,2,2-tetrachloroethane**	x	2873621	45.11	1	ug	1.	**45 ug/L**	1.		480	40.	**112.8**
98-82-8	M2	**isopropylbenzene**	x	6780102	42.95	1	ug	1.	**43 ug/L**	1.		480	40.	**107.4**
96-18-4	M2	**1,2,3-trichloropropane**	x	1286953	45.79	1	ug	1.	**46 ug/L**	1.		480	40.	**114.5**
108-86-1	M2	**bromobenzene**	x	1851549	43.75	1	ug	1.	**44 ug/L**	1.		480	40.	**109.4**
95-49-8	M2	**2-chlorotoluene**	x	1668701	43.35	1	ug	1.	**43 ug/L**	1.		480	40.	**108.4**
103-65-1	M2	**n-propylbenzene**	x	1643688	41.35	1	ug	1.	**41 ug/L**	1.		480	40.	**103.4**

KEY LABORATORIES, INC.
2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil Company**
Client Project Name : **Spring**

Lab QC Batch Sample : **08-1385, #4**
Key Lab # : **08-0001**
Work Order # : **0101080000**
Date Recieved : **06/06/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 2100021.D
Date Analyzed : 9 Jun 2008 8:18 pm
Data File Path : C:\MSDCHEM\1\DATA_0806JUN09C\
Lab Sample Information : 1uL #375 + 1uL #376 + 5uL #372
Lab Sample Number : **CC 8260 40ppb, 08-0001, 0101080000,**

Client Sample Number : **Continuing Calibration Check**
Sampling Date : **6/6/2008**
Sampling Time :
Sample Matrix : **water**
Sampler : **Adell**

Reported==>> x DF = 1

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc	RDL	Qual	MQL	Spike	%Rec
106-43-4	M2	**4-chlorotoluene**	x	1630737	42.89	1	ug	1.	**43 ug/L**	1.		480	40.	**107.2**
108-67-8	M2	**1,3,5-trimethylbenzene**	x	5346204	42.13	1	ug	1.	**42 ug/L**	1.		480	40.	**105.3**
98-06-6	M2	**tert-butylbenzene**	x	4646405	41.88	1	ug	1.	**42 ug/L**	1.		480	40.	**104.7**
95-63-6	M2	**1,2,4-trimethylbenzene**	x	5317671	42.10	1	ug	1.	**42 ug/L**	1.		480	40.	**105.3**
96-12-8	M2	**1.2-dibromo-3-chloropropane**	x	300072	38.94	1	ug	1.	**39 ug/L**	1.		480	40.	**97.4**
541-73-1	M3	**1,3-dichlorobenzene**	x	3171394	42.49	1	ug	1.	**42 ug/L**	1.		480	40.	**106.2**
99-87-6	M3	**p-isopropyltoluene**	x	5377682	40.80	1	ug	1.	**41 ug/L**	1.		480	40.	**102.0**
135-98-8	M3	**sec-butylbenzene**	x	7023900	42.41	1	ug	1.	**42 ug/L**	1.		480	40.	**106.0**
106-46-7	M3	**1,4-dichlorobenzene**	x	3197054	42.21	1	ug	1.	**42 ug/L**	1.		480	40.	**105.5**
95-50-1	M3	**1,2-dichlorobenzene**	x	3178381	44.66	1	ug	1.	**45 ug/L**	1.		480	40.	**111.6**
104-51-8	M3	**n-butylbenzene**	x	4984259	39.35	1	ug	1.	**39 ug/L**	1.		480	40.	**98.4**
87-61-6	M3	**1,2,4-trichlorobenzene**	x	3340009	37.12	2	ug	1.	**37 ug/L**	2.		480	40.	**92.8**
87-68-3	M3	**hexachlorobutadiene**	x	2286748	41.14	2	ug	1.	**41 ug/L**	2.		480	40.	**102.9**
91-20-3	M3	**napthylene**	x	3830680	39.66	2	ug	1.	**40 ug/L**	2.		480	40.	**99.1**
120-82-1	M3	**1,2,3-trichlorobenzene**	x	3366652	39.83	2	ug	1.	**40 ug/L**	2.		480	40.	**99.6**

CAS#	Type	System Monitoring Compounds	Resp.	Amt.	Area%	Units		Water Limits	r Limits		Soil Limits	Spike	%Rec
1868-53-7	S1	**dibromofluoromethane**	5126026	67.69	**98**	ug	5211326	65 -	135	50 -	150	69.9	**96.8**
17060-07-0	M1	**1,2 dichloroethane-d4**	2167594	69.36	**101**	ug	2150224	65 -	135	50 -	150	69.9	**99.2**
2037-26-5	S1	**toluene-d8**	5192891	68.42	**98**	ug	5285330	65 -	135	50 -	150	69.9	**97.9**
460-00-4	S2	**4-bromofluorobenzene**	5347947	70.04	**97**	ug	5531588	65 -	135	50 -	150	69.9	**100.2**

CAS#	Type	Internal Stanard Compounds	Resp.	Amt.	Area%	Units		Spike
462-06-6	I1	**fluorbenzene**	8606430	69.90	**101**	ug	8484018	69.9
3114-55-4	I2	**chlorobenzene-d5**	4837777	69.90	**96**	ug	5060990	69.9
3855-82-1	I3	**1,4-dichlorobenzene-d4**	3640076	69.90	**93**	ug	3894374	69.9

MDL = Method Detection Limit
PQL = Practical Quantition Limit = 4 x MDL
RDL = Reporting Detection Limit = MDL x Dilution Factor
MQL = Maximum Quantitation Limit = 110% x DF x Highest Calibration Standard

Reporting basis is Kg for solids and L for liquids

J qualifier = MDL < Result < PQL
E qualifier = Estimated Result > Highest Calibration Standard

Analyst

Approved

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA_0806jun09c\
Data File : 2100021.D
Acq On : 9 Jun 2008 8:18 pm
Operator : KEY
Sample : CC 8260 40ppb, 08-0001, 0101080000,
Misc : 1uL #375 + 1uL #376 + 5uL #372
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 10 15:26:23 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I1	fluorbenzene	1.000	1.000	0.0	101	0.00
2	M1	dichlorodifluoromethane	0.424	0.442	-4.2	97	0.00
3	MP1	chloromethane	0.336	0.386	-14.9	103	0.00
4	MC1	vinyl chloride	0.345	0.381	-10.4	102	0.00
5	M1	acetone	0.188	0.211	-12.2	98	0.00
6	M1	diethyl ether	0.442	0.486	-10.0	100	0.00
7	M1	bromomethane	0.222	0.227	-2.3	97	0.00
8	M1	chloroethane	0.176	0.195	-10.8	101	0.00
9	M1	trichlorofluoromethane	0.535	0.549	-2.6	98	0.00
10	MC1	1,1-dichloroethene	0.261	0.271	-3.8	97	0.00
11	M1	methylene chloride	0.279	0.307	-10.0	102	0.00
12	M1	1,1,2-trichlorotrifluoroeth	0.848	0.832	1.9	96	0.00
13	M1	allyl chloride	0.576	0.602	-4.5	94	0.00
14	M1	trans 1,2-dichloroethene	0.289	0.302	-4.5	97	0.00
15	M1	[MTBE] tert-butylmethyl eth	0.677	0.733	-8.3	101	0.00
16	MP1	1,1-dichloroethane	0.470	0.509	-8.3	100	0.00
17	M1	[MEK] 2-butanone	0.264	0.305	-15.5	100	0.00
18	M1	cis 1,2-dichloroethene	0.300	0.331	-10.3	103	0.00
19	M1	2,2-dichloropropane	0.690	0.668	3.2	94	0.00
20	M1	bromochloromethane	0.355	0.379	-6.8	101	0.00
21	MC1	chloroform (trichloromethan	0.587	0.639	-8.9	102	0.00
22	S1	dibromofluoromethane	0.615	0.596	3.1	98	0.00
23	H1	tetrahydrofruan	0.388	0.375	3.4	97	0.00
24	M1	1,1,1-trichloroethane	0.829	0.793	4.3	94	0.00
25	S1	1,2 dichloroethane-d4	0.254	0.252	0.8	99	0.00
26	M1	1,2 dichloroethane	0.411	0.454	-10.5	103	0.00
27	M1	1,1-dichloropropene	0.434	0.463	-6.7	102	0.00
28	M1	benzene	1.094	1.215	-11.1	105	0.00
29	M1	carbon tetrachloride	0.899	0.839	6.7	99	0.00
30	M1	trichloroethene	0.646	0.690	-6.8	101	0.00
31	MC1	1,2-dichloropropane	0.272	0.300	-10.3	106	0.00
32	M1	dibromomethane	0.201	0.218	-8.5	102	0.00
33	M1	bromodichloromethane	0.397	0.397	0.0	107	0.00
34	M1	cis 1,3-dichloropropene	0.409	0.386	5.6	102	0.00
35	M1	[MIBK] 4-methyl-2-pentanone	0.423	0.460	-8.7	102	0.00
36	S1	toluene-d8	0.616	0.603	2.1	98	0.00
37	MC1	toluene	0.701	0.766	-9.3	101	0.00
38	M1	trans 1,3-dichloropropene	0.359	0.308	14.2	100	0.00
39	M1	1,1,2-trichloroethane	0.208	0.228	-9.6	102	0.00
40	I2	chlorobenzene-d5	1.000	1.000	0.0	99	0.00
41	M2	1,3-dichloropropane	0.697	0.809	-16.1	105	0.00
42	M2	dibromochloromethane	0.509	0.473	7.1	102	0.00
43	M2	tetrachloroethene	1.055	1.148	-8.8	100	0.00
44	M2	1,2-dibromoethane	0.463	0.515	-11.2	103	0.00
45	MP2	chlorobenzene	1.346	1.503	-11.7	102	0.00
46	M2	1,1,1,2-tetrachloroethane	0.978	0.984	-0.6	100	0.00
47	MC2	ethylbenzene	3.042	3.324	-9.3	100	0.00
48	M2	m/p xylene	1.830	2.006	-9.6	99	0.00

Data Path : C:\MSDChem\1\DATA_0806jun09c\
Data File : 2100021.D
Acq On : 9 Jun 2008 8:18 pm
Operator : KEY
Sample : CC 8260 40ppb, 08-0001, 0101080000,
Misc : 1uL #375 + 1uL #376 + 5uL #372
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 10 15:26:23 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25
:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	M2	styrene	1.337	1.440	-7.7	101	0.00
50	M2	o-xylene	1.870	2.066	-10.5	100	0.00
51	MP2	bromoform	0.336	0.280	16.7	98	0.00
52	MP2	1,1,2,2-tetrachloroethane	0.920	1.038	-12.8	103	0.00
53	M2	isopropylbenzene	2.281	2.449	-7.4	99	0.00
54	M2	1,2,3-trichloropropane	0.406	0.465	-14.5	102	0.00
55	S2	4-bromofluorobenzene	1.103	1.105	-0.2	98	0.00
56	M2	bromobenzene	0.611	0.669	-9.5	102	0.00
57	M2	2-chlorotoluene	0.556	0.603	-8.5	100	0.00
58	M2	n-propylbenzene	0.574	0.594	-3.5	97	0.00
59	M2	4-chlorotoluene	0.549	0.589	-7.3	100	0.00
60	M2	1,3,5-trimethylbenzene	1.833	1.931	-5.3	98	0.00
61	M2	tert-butylbenzene	1.603	1.678	-4.7	99	0.00
62	M2	1,2,4-trimethylbenzene	1.825	1.921	-5.3	98	0.00
63	M2	1.2-dibromo-3-chloropropane	0.111	0.108	2.7	103	0.00
64	I3	1,4-dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
65	M3	1,3-dichlorobenzene	1.433	1.522	-6.2	97	0.00
66	M3	p-isopropyltoluene	2.531	2.582	-2.0	97	0.00
67	M3	sec-butylbenzene	3.180	3.372	-6.0	98	0.00
68	M3	1,4-dichlorobenzene	1.455	1.535	-5.5	97	0.00
69	M3	1,2-dichlorobenzene	1.367	1.526	-11.6	103	0.00
70	M3	n-butylbenzene	2.432	2.393	1.6	93	0.00
71	M3	1,2,4-trichlorobenzene	1.728	1.603	7.2	91	0.00
72	M3	hexachlorobutadiene	1.067	1.098	-2.9	95	0.00
73	M3	napthylene	1.855	1.839	0.9	100	0.00
74	M3	1,2,3-trichlorobenzene	1.623	1.616	0.4	95	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun09c\
Data File : 2100021.D
Acq On : 9 Jun 2008 8:18 pm
Operator : KEY
Sample : CC 8260 40ppb, 08-0001, 0101080000,
Misc : 1uL #375 + 1uL #376 + 5uL #372
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 10 15:26:23 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorbenzene	4.26	96	8606430	69.90	ug		0.00
40) chlorobenzene-d5	9.34	54	4837777+	69.90	ug		0.00
64) 1,4-dichlorobenzene-d4	13.71	154	3640076+	69.90	ug		0.00
System Monitoring Compounds							
22) dibromofluoromethane	2.91	113	5126026+	67.69	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 96.84%				
25) 1,2 dichloroethane-d4	3.34	104	2167594+	69.36	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 99.23%				
36) toluene-d8	6.90	100	5192891	68.42	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 97.88%				
55) 4-bromofluorobenzene	11.75	174	5347947+	70.04	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 100.20%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.96	85	2178731	41.77	ug		100
3) chloromethane	1.02	50	1900047	45.97	ug		99
4) vinyl chloride	1.07	62	1876517	44.22	ug	#	100
5) acetone	1.50	58	1040481+	44.98	ug	#	98
6) diethyl ether	1.53	74	2393681+	44.00	ug		90
7) bromomethane	1.20	94	1120432	41.00	ug		97
8) chloroethane	1.24	64	961344	44.32	ug		98
9) trichlorofluoromethane	1.44	101	2701383	41.04	ug		100
10) 1,1-dichloroethene	1.64	96	1333104	41.53	ug		98
11) methylene chloride	1.71	84	1512217	43.97	ug		98
12) 1,1,2-trichlorotrifluoroet	1.74	151	4096584+	39.24	ug		99
13) allyl chloride	1.75	78	2966848+	41.84	ug		100
14) trans 1,2-dichloroethene	2.06	96	1486441	41.80	ug		98
15) [MTBE] tert-butylmethyl et	2.14	73	3609723	43.31	ug		100
16) 1,1-dichloroethane	2.20	63	2506990	43.34	ug		100
17) [MEK] 2-butanone	2.56	72	1502494+	46.23	ug	#	100
18) cis 1,2-dichloroethene	2.62	96	1628616	44.04	ug		99
19) 2,2-dichloropropane	2.86	77	3289584+	38.75	ug		98
20) bromochloromethane	2.74	128	1866999+	42.77	ug		99
21) chloroform (trichlorometha	2.80	83	3145999	43.50	ug		98
23) tetrahydrofruan	3.11	71	1844469m+	38.57	ug		
24) 1,1,1-trichloroethane	3.51	97	3904533+	38.25	ug		99
26) 1,2 dichloroethane	3.42	62	2234178	44.11	ug		100
27) 1,1-dichloropropene	3.73	75	2277867	42.66	ug		98
28) benzene	3.96	78	5984401	44.44	ug		99
29) carbon tetrachloride	3.89	117	4131483+	37.31	ug		99
30) trichloroethene	4.78	130	3400288+	42.75	ug		99
31) 1,2-dichloropropane	4.71	63	1477307	44.13	ug		100
32) dibromomethane	4.64	174	1074863	43.47	ug		98
33) bromodichloromethane	4.84	83	1953463	40.00	ug		97
34) cis 1,3-dichloropropene	5.83	75	1901389	37.76	ug		100
35) [MIBK] 4-methyl-2-pentanon	6.13	58	2264732+	43.52	ug		100
37) toluene	7.01	92	3773536	43.71	ug		99
38) trans 1,3-dichloropropene	6.56	75	1516896	34.34	ug		99
39) 1,1,2-trichloroethane	6.71	83	1122584	43.76	ug		97
41) 1,3-dichloropropane	7.12	76	2239474	46.40	ug		98
42) dibromochloromethane	7.42	129	1309506	37.16	ug		98
43) tetrachloroethene	8.18	166	3177218+	43.51	ug		100

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun09c\
Data File : 2100021.D
Acq On : 9 Jun 2008 8:18 pm
Operator : KEY
Sample : CC 8260 40ppb, 08-0001, 0101080000,
Misc : 1uL #375 + 1uL #376 + 5uL #372
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 10 15:26:23 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25
:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 1,2-dibromoethane	7.80	107	1425795	44.53	ug		100
45) chlorobenzene	9.39	112	4160435	44.66	ug		97
46) 1,1,1,2-tetrachloroethane	9.28	131	2724753+	40.27	ug		99
47) ethylbenzene	9.90	91	9201091+	43.70	ug		100
48) m/p xylene	10.33	91	11104227	87.68	ug		99
49) styrene	10.91	104	3985248	43.08	ug		99
50) o-xylene	11.03	91	5720603	44.21	ug		99
51) bromoform	10.19	173	775561	33.32	ug		99
52) 1,1,2,2-tetrachloroethane	11.01	83	2873621+	45.11	ug		99
53) isopropylbenzene	11.80	105	6780102	42.95	ug		99
54) 1,2,3-trichloropropane	11.27	75	1286953	45.79	ug		98
56) bromobenzene	12.01	156	1851549	43.75	ug		99
57) 2-chlorotoluene	12.66	126	1668701	43.35	ug		94
58) n-propylbenzene	12.64	120	1643688	41.35	ug		99
59) 4-chlorotoluene	12.80	126	1630737	42.89	ug		96
60) 1,3,5-trimethylbenzene	13.17	105	5346204	42.13	ug		100
61) tert-butylbenzene	13.42	119	4646405	41.88	ug		99
62) 1,2,4-trimethylbenzene	13.60	105	5317671	42.10	ug		100
63) 1.2-dibromo-3-chloropropan	14.50	157	300072	38.94	ug		98
65) 1,3-dichlorobenzene	13.65	146	3171394	42.49	ug		99
66) p-isopropyltoluene	13.93	119	5377682	40.80	ug		99
67) sec-butylbenzene	13.68	105	7023900	42.41	ug	#	99
68) 1,4-dichlorobenzene	13.74	146	3197054	42.21	ug		99
69) 1,2-dichlorobenzene	14.08	146	3178381	44.66	ug		97
70) n-butylbenzene	14.31	91	4984259	39.35	ug		100
71) 1,2,4-trichlorobenzene	15.43	180	3340009+	37.12	ug		100
72) hexachlorobutadiene	15.63	225	2286748+	41.14	ug		99
73) napthylene	15.56	128	3830680	39.66	ug	#	99
74) 1,2,3-trichlorobenzene	15.67	180	3366652+	39.83	ug		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

KEY LABORATORIES, INC.
2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil Company**
Client Project Name : **Spring**

Lab QC Batch Sample : **08-1385, #4**
Key Lab # : **08-0002**
Work Order # : **0101080000**
Date Recieved : **06/06/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 0400004.D
Date Analyzed : 10 Jun 2008 2:27 pm
Data File Path : C:\MSDCHEM\1\DATA_0806JUN10\
Lab Sample Information : 5uL #372
Lab Sample Number : **Blank, 08-0002, 0101080000,**

Client Sample Number : **Blank**
Sampling Date : **6/6/2008**
Sampling Time :
Sample Matrix : **water**
Sampler : **Adell**

Reported==>> x DF = 1

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc		RDL	Qual	MQL
75-71-8	M1	**dichlorodifluoromethane**	x	2727	0.06	2	ug	1.		<	2.		480
74-87-3	MP1	**chloromethane**	x	0	0.00	2	ug	1.		<	2.		480
75-01-4	MC1	**vinyl chloride**	x	0	0.00	2	ug	1.		<	2.		480
67-64-1	M1	**acetone**	x	81473	3.77	3.8	ug	1.		<	3.8		480
60-29-7	M1	**diethyl ether**	x	0	0.00	2	ug	1.		<	2.		480
74-83-9	M1	**bromomethane**	x	0	0.00	2	ug	1.		<	2.		480
75-00-3	M1	**chloroethane**	x	0	0.00	2	ug	1.		<	2.		480
75-69-4	M1	**trichlorofluoromethane**	x	2999	0.05	1	ug	1.		<	1.		480
75-35-4	MC1	**1,1-dichloroethene**	x	0	0.00	1	ug	1.		<	1.		480
75-09-2	M1	**methylene chloride**	x	0	0.00	1	ug	1.		<	1.		480
76-13-1	M1	**1,1,2-trichlorotrifluoroethane**	x	0	0.00	1	ug	1.		<	1.		480
107-05-1	M1	**allyl chloride**	x	0	0.00	1	ug	1.		<	1.		480
156-60-5	M1	**trans 1,2-dichloroethene**	x	0	0.00	1	ug	1.		<	1.		480
1634-04-4	M1	**[MTBE] tert-butylmethyl ether**	x	0	0.00	1	ug	1.		<	1.		480
75-34-3	MP1	**1,1-dichloroethane**	x	0	0.00	1	ug	1.		<	1.		480
78-93-3	M1	**[MEK] 2-butanone**	x	0	0.00	2	ug	1.		<	2.		480
156-59-4	M1	**cis 1,2-dichloroethene**	x	0	0.00	1	ug	1.		<	1.		480
590-20-7	M1	**2,2-dichloropropane**	x	0	0.00	1	ug	1.		<	1.		480
74-97-5	M1	**bromochloromethane**	x	0	0.00	1	ug	1.		<	1.		480
67-66-3	MC1	**chloroform (trichloromethane)**	x	60954	0.90	1	ug	1.		<	1.		480
109-99-9	H1	**tetrahydrofruan**	x	1572	0.04	2	ug	1.		<	2.		480
71-55-6	M1	**1,1,1-trichloroethane**	x	0	0.00	1	ug	1.		<	1.		480
107-06-2	M1	**1,2 dichloroethane**	x	0	0.00	1	ug	1.		<	1.		480
563-58-6	M1	**1,1-dichloropropene**	x	0	0.00	1	ug	1.		<	1.		480
71-43-2	M1	**benzene**	x	19952	0.16	1	ug	1.		<	1.		480
56-26-5	M1	**carbon tetrachloride**	x	0	0.00	1	ug	1.		<	1.		480
79-01-6	M1	**trichloroethene**	x	0	0.00	1	ug	1.		<	1.		480
78-87-5	MC1	**1,2-dichloropropane**	x	0	0.00	1	ug	1.		<	1.		480
74-95-3	M1	**dibromomethane**	x	0	0.00	1	ug	1.		<	1.		480
75-27-4	M1	**bromodichloromethane**	x	0	0.00	1	ug	1.		<	1.		480
10061-01-5	M1	**cis 1,3-dichloropropene**	x	0	0.00	1	ug	1.		<	1.		480
108-10-1	M1	**[MIBK] 4-methyl-2-pentanone**	x	0	0.00	1	ug	1.		<	1.		480
108-88-3	MC1	**toluene**	x	65755	0.81	2	ug	1.		<	2.		480
10061-02-6	M1	**trans 1,3-dichloropropene**	x	0	0.00	1	ug	1.		<	1.		480
79-00-5	M1	**1,1,2-trichloroethane**	x	0	0.00	1	ug	1.		<	1.		480
142-28-9	M2	**1,3-dichloropropane**	x	0	0.00	1	ug	1.		<	1.		480
124-48-1	M2	**dibromochloromethane**	x	0	0.00	1	ug	1.		<	1.		480
127-18-4	M2	**tetrachloroethene**	x	0	0.00	1	ug	1.		<	1.		480
106-93-4	M2	**1,2-dibromoethane**	x	0	0.00	1	ug	1.		<	1.		480
108-90-7	MP2	**chlorobenzene**	x	0	0.00	1	ug	1.		<	1.		480
630-20-6	M2	**1,1,1,2-tetrachloroethane**	x	0	0.00	1	ug	1.		<	1.		480
100-41-4	MC2	**ethylbenzene**	x	21200	0.11	1	ug	1.		<	1.		480
	M2	**m/p xylene**	x	57559	0.49	1	ug	1.		<	1.		960
100-42-5	M2	**styrene**	x	0	0.00	1	ug	1.		<	1.		480
95-47-6	M2	**o-xylene**	x	21932	0.18	1	ug	1.		<	1.		480
75-25-2	MP2	**bromoform**	x	0	0.00	1	ug	1.		<	1.		480
79-34-5	MP2	**1,1,2,2-tetrachloroethane**	x	0	0.00	1	ug	1.		<	1.		480
98-82-8	M2	**isopropylbenzene**	x	4148	0.03	1	ug	1.		<	1.		480
96-18-4	M2	**1,2,3-trichloropropane**	x	0	0.00	1	ug	1.		<	1.		480
108-86-1	M2	**bromobenzene**	x	0	0.00	1	ug	1.		<	1.		480
95-49-8	M2	**2-chlorotoluene**	x	0	0.00	1	ug	1.		<	1.		480
103-65-1	M2	**n-propylbenzene**	x	0	0.00	1	ug	1.		<	1.		480

KEY LABORATORIES, INC.
2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil Company**
Client Project Name : **Spring**

Lab QC Batch Sample : **08-1385, #4**
Key Lab # : **08-0002**
Work Order # : **0101080000**
Date Recieved : **06/06/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 0400004.D
Date Analyzed : 10 Jun 2008 2:27 pm
Data File Path : C:\MSDCHEM\1\DATA_0806JUN10\
Lab Sample Information : 5uL #372
Lab Sample Number : **Blank, 08-0002, 0101080000,**

Client Sample Number : **Blank**
Sampling Date : **6/6/2008**
Sampling Time :
Sample Matrix : **water**
Sampler : **Adell**

Reported==>> x DF = 1

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc		RDL	Qual	MQL
106-43-4	M2	**4-chlorotoluene**	x	0	0.00	1	ug	1.	<	1.			480
108-67-8	M2	**1,3,5-trimethylbenzene**	x	10248	0.09	1	ug	1.	<	1.			480
98-06-6	M2	**tert-butylbenzene**	x	1988	0.02	1	ug	1.	<	1.			480
95-63-6	M2	**1,2,4-trimethylbenzene**	x	27363	0.23	1	ug	1.	<	1.			480
96-12-8	M2	**1.2-dibromo-3-chloropropane**	x	0	0.00	1	ug	1.	<	1.			480
541-73-1	M3	**1,3-dichlorobenzene**	x	2250	0.04	1	ug	1.	<	1.			480
99-87-6	M3	**p-isopropyltoluene**	x	2768	0.03	1	ug	1.	<	1.			480
135-98-8	M3	**sec-butylbenzene**	x	8653	0.06	1	ug	1.	<	1.			480
106-46-7	M3	**1,4-dichlorobenzene**	x	3527	0.06	1	ug	1.	<	1.			480
95-50-1	M3	**1,2-dichlorobenzene**	x	0	0.00	1	ug	1.	<	1.			480
104-51-8	M3	**n-butylbenzene**	x	6493	0.06	1	ug	1.	<	1.			480
87-61-6	M3	**1,2,4-trichlorobenzene**	x	5194	0.07	2	ug	1.	<	2.			480
87-68-3	M3	**hexachlorobutadiene**	x	0	0.00	2	ug	1.	<	2.			480
91-20-3	M3	**napthylene**	x	11471	0.15	2	ug	1.	<	2.			480
120-82-1	M3	**1,2,3-trichlorobenzene**	x	3948	0.06	2	ug	1.	<	2.			480

CAS#	Type	System Monitoring Compounds	Resp.	Amt.	Area%	Units		Water Limits		r Limits	Soil Limits		Spike	%Rec
1868-53-7	S1	**dibromofluoromethane**	4647940	65.61	**89**	ug	5211326	65 -	135	50 -	150		69.9	**93.9**
17060-07-0	M1	**1,2 dichloroethane-d4**	2056102	70.33	**96**	ug	2150224	65 -	135	50 -	150		69.9	**100.6**
2037-26-5	S1	**toluene-d8**	4846790	68.27	**92**	ug	5285330	65 -	135	50 -	150		69.9	**97.7**
460-00-4	S2	**4-bromofluorobenzene**	4712949	66.92	**85**	ug	5531588	65 -	135	50 -	150		69.9	**95.7**

CAS#	Type	Internal Stanard Compounds	Resp.	Amt.	Area%	Units		Spike
462-06-6	I1	**fluorbenzene**	8050892	69.90	**95**	ug	8484018	69.9
3114-55-4	I2	**chlorobenzene-d5**	4462378	69.90	**88**	ug	5060990	69.9
3855-82-1	I3	**1,4-dichlorobenzene-d4**	2935739	69.90	**75**	ug	3894374	69.9

MDL = Method Detection Limit
PQL = Practical Quantition Limit = 4 x MDL
RDL = Reporting Detection Limit = MDL x Dilution Factor
MQL = Maximum Quantitation Limit = 110% x DF x Highest Calibration Standard

Reporting basis is Kg for solids and L for liquids

J qualifier = MDL < Result < PQL
E qualifier = Estimated Result > Highest Calibration Standard

Analyst

Approved

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA_0806JUN10\
Data File : 0400004.D
Acq On : 10 Jun 2008 2:27 pm
Operator : KEY
Sample : Blank, 08-0002, 0101080000,
Misc : 5uL #372
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 10 16:12:11 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25
:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorbenzene	4.26	96	8050892	69.90	ug		0.00
40) chlorobenzene-d5	9.34	54	4462378+	69.90	ug		0.00
64) 1,4-dichlorobenzene-d4	13.71	154	2935739+	69.90	ug		0.00
System Monitoring Compounds							
22) dibromofluoromethane	2.91	113	4647940+	65.61	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 93.86%				
25) 1,2 dichloroethane-d4	3.35	104	2056102+	70.33	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 100.62%				
36) toluene-d8	6.90	100	4846790	68.27	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 97.67%				
55) 4-bromofluorobenzene	11.75	174	4712949+	66.92	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 95.74%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.96	85	2727	0.06	ug	#	77
3) chloromethane	0.00	50	0	N.D.			
4) vinyl chloride	0.00	62	0	N.D.			
5) acetone	1.50	58	81473+	3.77	ug	#	80
6) diethyl ether	0.00	74	0+	N.D.			
7) bromomethane	0.00	94	0	N.D.			
8) chloroethane	0.00	64	0	N.D.			
9) trichlorofluoromethane	1.44	101	2999	0.05	ug	#	91
10) 1,1-dichloroethene	0.00	96	0	N.D.			
11) methylene chloride	0.00	84	0	N.D.			
12) 1,1,2-trichlorotrifluoroet	0.00	151	0+	N.D.			
13) allyl chloride	0.00	78	0+	N.D.			
14) trans 1,2-dichloroethene	0.00	96	0	N.D.			
15) [MTBE] tert-butylmethyl et	0.00	73	0	N.D.			
16) 1,1-dichloroethane	0.00	63	0	N.D.			
17) [MEK] 2-butanone	0.00	72	0+	N.D.			
18) cis 1,2-dichloroethene	0.00	96	0	N.D.			
19) 2,2-dichloropropane	0.00	77	0+	N.D.			
20) bromochloromethane	0.00	128	0+	N.D.			
21) chloroform (trichlorometha	2.80	83	60954	0.90	ug		86
23) tetrahydrofruan	3.11	71	1572m+	0.04	ug		
24) 1,1,1-trichloroethane	0.00	97	0+	N.D.			
26) 1,2 dichloroethane	0.00	62	0	N.D.			
27) 1,1-dichloropropene	0.00	75	0	N.D.			
28) benzene	3.96	78	19952	0.16	ug	#	70
29) carbon tetrachloride	0.00	117	0+	N.D.			
30) trichloroethene	0.00	130	0+	N.D.			
31) 1,2-dichloropropane	0.00	63	0	N.D.			
32) dibromomethane	0.00	174	0	N.D.			
33) bromodichloromethane	0.00	83	0	N.D.			
34) cis 1,3-dichloropropene	0.00	75	0	N.D.			
35) [MIBK] 4-methyl-2-pentanon	0.00	58	0+	N.D.			
37) toluene	7.01	92	65755	0.81	ug		99
38) trans 1,3-dichloropropene	0.00	75	0	N.D.			
39) 1,1,2-trichloroethane	0.00	83	0	N.D.			
41) 1,3-dichloropropane	0.00	76	0	N.D.			
42) dibromochloromethane	0.00	129	0	N.D.			
43) tetrachloroethene	0.00	166	0+	N.D.			

Data Path : C:\MSDCHEM\1\DATA_0806JUN10\
Data File : 0400004.D
Acq On : 10 Jun 2008 2:27 pm
Operator : KEY
Sample : Blank, 08-0002, 0101080000,
Misc : 5uL #372
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 10 16:12:11 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25
:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration

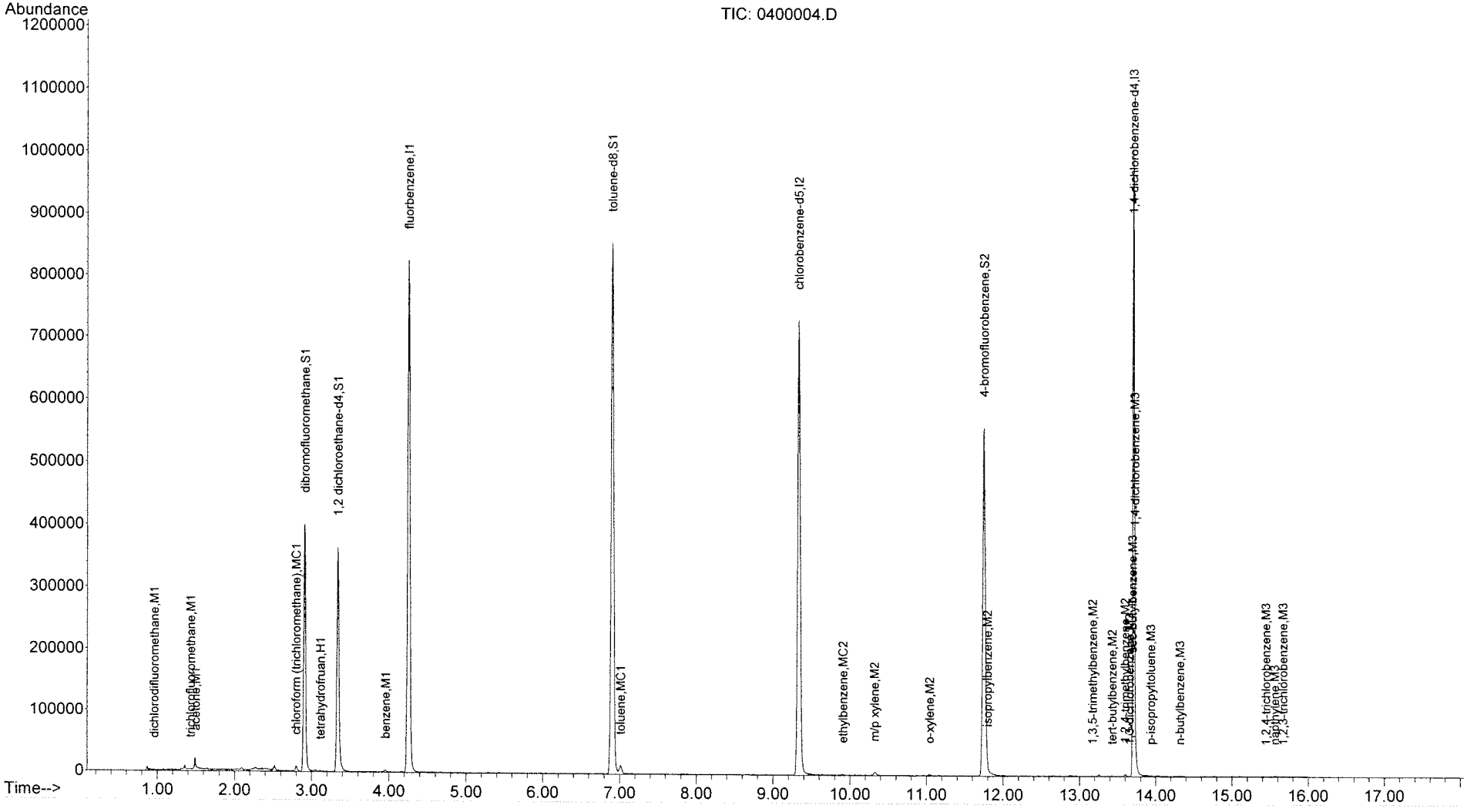
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 1,2-dibromoethane	0.00	107	0	N.D.			
45) chlorobenzene	0.00	112	0	N.D.			
46) 1,1,1,2-tetrachloroethane	0.00	131	0+	N.D.			
47) ethylbenzene	9.91	91	21200+	0.11	ug		89
48) m/p xylene	10.32	91	57559	0.49	ug		94
49) styrene	0.00	104	0	N.D.			
50) o-xylene	11.03	91	21932	0.18	ug	#	79
51) bromoform	0.00	173	0	N.D.			
52) 1,1,2,2-tetrachloroethane	0.00	83	0+	N.D.			
53) isopropylbenzene	11.80	105	4148	0.03	ug	#	1
54) 1,2,3-trichloropropane	0.00	75	0	N.D.			
56) bromobenzene	0.00	156	0	N.D.			
57) 2-chlorotoluene	0.00	126	0	N.D.			
58) n-propylbenzene	0.00	120	0	N.D.			
59) 4-chlorotoluene	0.00	126	0	N.D.			
60) 1,3,5-trimethylbenzene	13.17	105	10248	0.09	ug	#	50
61) tert-butylbenzene	13.42	119	1988	0.02	ug	#	1
62) 1,2,4-trimethylbenzene	13.60	105	27363	0.23	ug		94
63) 1.2-dibromo-3-chloropropan	0.00	157	0	N.D.			
65) 1,3-dichlorobenzene	13.66	146	2250	0.04	ug	#	74
66) p-isopropyltoluene	13.93	119	2768	0.03	ug	#	50
67) sec-butylbenzene	13.68	105	8653	0.06	ug	#	1
68) 1,4-dichlorobenzene	13.73	146	3527	0.06	ug	#	1
69) 1,2-dichlorobenzene	0.00	146	0	N.D.			
70) n-butylbenzene	14.32	91	6493	0.06	ug	#	59
71) 1,2,4-trichlorobenzene	15.44	180	5194+	0.07	ug		79
72) hexachlorobutadiene	0.00	225	0+	N.D.			
73) napthylene	15.57	128	11471	0.15	ug	#	80
74) 1,2,3-trichlorobenzene	15.67	180	3948+	0.06	ug		79

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA_0806JUN10\
Data File : 0400004.D
Acq On : 10 Jun 2008 2:27 pm
Operator : KEY
Sample : Blank, 08-0002, 0101080000,
Misc : 5uL #372
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 10 16:12:11 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration



KEY LABORATORIES, INC.
2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil Company**
Client Project Name : **Spring**

Lab QC Batch Sample : **08-1385, #4**
Key Lab # : **08-0001**
Work Order # : **0101080000**
Date Recieved : **06/06/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 0200002.D
Date Analyzed : 10 Jun 2008 12:32 pm
Data File Path : C:\MSDCHEM\1\DATA_0806JUN10\
Lab Sample Information : 1uL #375 + 1uL #376 + 5uL #372
Lab Sample Number : **CC 8260 40ppb, 08-0001, 0101080000,**

Client Sample Number : **Continuing Calibration Check**
Sampling Date : **6/6/2008**
Sampling Time :
Sample Matrix : **water**
Sampler : **Adell**

Reported==>> x DF = 1

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc	RDL	Qual	MQL	Spike	%Rec
75-71-8	M1	**dichlorodifluoromethane**	x	1724032	36.55	2	ug	1.	**37 ug/L**	2.		480	40.	**91.4**
74-87-3	MP1	**chloromethane**	x	1587534	42.48	2	ug	1.	**42 ug/L**	2.		480	40.	**106.2**
75-01-4	MC1	**vinyl chloride**	x	1563452	40.75	2	ug	1.	**41 ug/L**	2.		480	40.	**101.9**
67-64-1	M1	**acetone**	x	909118	43.46	3.8	ug	1.	**43 ug/L**	3.8		480	40.	**108.7**
60-29-7	M1	**diethyl ether**	x	2248753	45.71	2	ug	1.	**46 ug/L**	2.		480	40.	**114.3**
74-83-9	M1	**bromomethane**	x	1004249	40.64	2	ug	1.	**41 ug/L**	2.		480	40.	**101.6**
75-00-3	M1	**chloroethane**	x	796940	40.63	2	ug	1.	**41 ug/L**	2.		480	40.	**101.6**
75-69-4	M1	**trichlorofluoromethane**	x	2304005	38.70	1	ug	1.	**39 ug/L**	1.		480	40.	**96.8**
75-35-4	MC1	**1,1-dichloroethene**	x	1140569	39.29	1	ug	1.	**39 ug/L**	1.		480	40.	**98.2**
75-09-2	M1	**methylene chloride**	x	1284081	41.29	1	ug	1.	**41 ug/L**	1.		480	40.	**103.2**
76-13-1	M1	**1,1,2-trichlorotrifluoroethane**	x	3933240	41.67	1	ug	1.	**42 ug/L**	1.		480	40.	**104.2**
107-05-1	M1	**allyl chloride**	x	2801902	43.70	1	ug	1.	**44 ug/L**	1.		480	40.	**109.2**
156-60-5	M1	**trans 1,2-dichloroethene**	x	1270495	39.51	1	ug	1.	**40 ug/L**	1.		480	40.	**98.8**
1634-04-4	M1	**[MTBE] tert-butylmethyl ether**	x	3242473	43.02	1	ug	1.	**43 ug/L**	1.		480	40.	**107.5**
75-34-3	MP1	**1,1-dichloroethane**	x	2191700	41.90	1	ug	1.	**42 ug/L**	1.		480	40.	**104.8**
78-93-3	M1	**[MEK] 2-butanone**	x	1269496	43.19	2	ug	1.	**43 ug/L**	2.		480	40.	**108.0**
156-59-4	M1	**cis 1,2-dichloroethene**	x	1350466	40.38	1	ug	1.	**40 ug/L**	1.		480	40.	**101.0**
590-20-7	M1	**2,2-dichloropropane**	x	2758468	35.93	1	ug	1.	**36 ug/L**	1.		480	40.	**89.8**
74-97-5	M1	**bromochloromethane**	x	1600693	40.55	1	ug	1.	**41 ug/L**	1.		480	40.	**101.4**
67-66-3	MC1	**chloroform (trichloromethane)**	x	2669869	40.82	1	ug	1.	**41 ug/L**	1.		480	40.	**102.1**
109-99-9	H1	**tetrahydrofruan**	x	1615239	37.35	2	ug	1.	**37 ug/L**	2.		480	40.	**93.4**
71-55-6	M1	**1,1,1-trichloroethane**	x	3449950	37.37	1	ug	1.	**37 ug/L**	1.		480	40.	**93.4**
107-06-2	M1	**1,2 dichloroethane**	x	1913681	41.78	1	ug	1.	**42 ug/L**	1.		480	40.	**104.5**
563-58-6	M1	**1,1-dichloropropene**	x	1918560	39.73	1	ug	1.	**40 ug/L**	1.		480	40.	**99.3**
71-43-2	M1	**benzene**	x	4951464	40.66	1	ug	1.	**41 ug/L**	1.		480	40.	**101.7**
56-26-5	M1	**carbon tetrachloride**	x	3427407	34.23	1	ug	1.	**34 ug/L**	1.		480	40.	**85.6**
79-01-6	M1	**trichloroethene**	x	2913031	40.50	1	ug	1.	**40 ug/L**	1.		480	40.	**101.2**
78-87-5	MC1	**1,2-dichloropropane**	x	1263412	41.74	1	ug	1.	**42 ug/L**	1.		480	40.	**104.3**
74-95-3	M1	**dibromomethane**	x	875112	39.14	1	ug	1.	**39 ug/L**	1.		480	40.	**97.9**
75-27-4	M1	**bromodichloromethane**	x	1676743	37.97	1	ug	1.	**38 ug/L**	1.		480	40.	**94.9**
10061-01-5	M1	**cis 1,3-dichloropropene**	x	1594077	35.01	1	ug	1.	**35 ug/L**	1.		480	40.	**87.5**
108-10-1	M1	**[MIBK] 4-methyl-2-pentanone**	x	2019533	42.92	1	ug	1.	**43 ug/L**	1.		480	40.	**107.3**
108-88-3	MC1	**toluene**	x	3164700	40.53	2	ug	1.	**41 ug/L**	2.		480	40.	**101.3**
10061-02-6	M1	**trans 1,3-dichloropropene**	x	1295687	32.43	1	ug	1.	**32 ug/L**	1.		480	40.	**81.1**
79-00-5	M1	**1,1,2-trichloroethane**	x	972231	41.91	1	ug	1.	**42 ug/L**	1.		480	40.	**104.8**
142-28-9	M2	**1,3-dichloropropane**	x	1905780	43.10	1	ug	1.	**43 ug/L**	1.		480	40.	**107.8**
124-48-1	M2	**dibromochloromethane**	x	1128251	34.95	1	ug	1.	**35 ug/L**	1.		480	40.	**87.4**
127-18-4	M2	**tetrachloroethene**	x	2730463	40.81	1	ug	1.	**41 ug/L**	1.		480	40.	**102.0**
106-93-4	M2	**1,2-dibromoethane**	x	1203200	41.02	1	ug	1.	**41 ug/L**	1.		480	40.	**102.5**
108-90-7	MP2	**chlorobenzene**	x	3578822	41.94	1	ug	1.	**42 ug/L**	1.		480	40.	**104.8**
630-20-6	M2	**1,1,1,2-tetrachloroethane**	x	2374595	38.31	1	ug	1.	**38 ug/L**	1.		480	40.	**95.8**
100-41-4	MC2	**ethylbenzene**	x	7984406	41.39	1	ug	1.	**41 ug/L**	1.		480	40.	**103.5**
	M2	**m/p xylene**	x	9593661	82.69	1	ug	1.	**83 ug/L**	1.		960	80.	**103.4**
100-42-5	M2	**styrene**	x	3466088	40.90	1	ug	1.	**41 ug/L**	1.		480	40.	**102.2**
95-47-6	M2	**o-xylene**	x	4963691	41.87	1	ug	1.	**42 ug/L**	1.		480	40.	**104.7**
75-25-2	MP2	**bromoform**	x	696076	32.64	1	ug	1.	**33 ug/L**	1.		480	40.	**81.6**
79-34-5	MP2	**1,1,2,2-tetrachloroethane**	x	2516291	43.12	1	ug	1.	**43 ug/L**	1.		480	40.	**107.8**
98-82-8	M2	**isopropylbenzene**	x	5911467	40.88	1	ug	1.	**41 ug/L**	1.		480	40.	**102.2**
96-18-4	M2	**1,2,3-trichloropropane**	x	1102853	42.83	1	ug	1.	**43 ug/L**	1.		480	40.	**107.1**
108-86-1	M2	**bromobenzene**	x	1597443	41.21	1	ug	1.	**41 ug/L**	1.		480	40.	**103.0**
95-49-8	M2	**2-chlorotoluene**	x	1461330	41.44	1	ug	1.	**41 ug/L**	1.		480	40.	**103.6**
103-65-1	M2	**n-propylbenzene**	x	1442922	39.62	1	ug	1.	**40 ug/L**	1.		480	40.	**99.1**

KEY LABORATORIES, INC.
2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil Company**
Client Project Name : **Spring**

Lab QC Batch Sample : **08-1385, #4**
Key Lab # : **08-0001**
Work Order # : **0101080000**
Date Recieved : **06/06/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 0200002.D
Date Analyzed : 10 Jun 2008 12:32 pm
Data File Path : C:\MSDCHEM\1\DATA_0806JUN10\
Lab Sample Information : 1uL #375 + 1uL #376 + 5uL #372
Lab Sample Number : **CC 8260 40ppb, 08-0001, 0101080000,**

Client Sample Number : **Continuing Calibration Check**
Sampling Date : **6/6/2008**
Sampling Time :
Sample Matrix : **water**
Sampler : **Adell**

Reported==>> x DF = 1

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc	RDL	Qual	MQL	Spike	%Rec
106-43-4	M2	**4-chlorotoluene**	x	1437487	41.27	1	ug	1.	**41 ug/L**	1.		480	40.	**103.2**
108-67-8	M2	**1,3,5-trimethylbenzene**	x	4641628	39.93	1	ug	1.	**40 ug/L**	1.		480	40.	**99.8**
98-06-6	M2	**tert-butylbenzene**	x	3998379	39.34	1	ug	1.	**39 ug/L**	1.		480	40.	**98.4**
95-63-6	M2	**1,2,4-trimethylbenzene**	x	4672487	40.38	1	ug	1.	**40 ug/L**	1.		480	40.	**101.0**
96-12-8	M2	**1.2-dibromo-3-chloropropane**	x	242336	34.33	1	ug	1.	**34 ug/L**	1.		480	40.	**85.8**
541-73-1	M3	**1,3-dichlorobenzene**	x	2775000	39.28	1	ug	1.	**39 ug/L**	1.		480	40.	**98.2**
99-87-6	M3	**p-isopropyltoluene**	x	4727829	37.90	1	ug	1.	**38 ug/L**	1.		480	40.	**94.7**
135-98-8	M3	**sec-butylbenzene**	x	6121282	39.05	1	ug	1.	**39 ug/L**	1.		480	40.	**97.6**
106-46-7	M3	**1,4-dichlorobenzene**	x	2848775	39.73	1	ug	1.	**40 ug/L**	1.		480	40.	**99.3**
95-50-1	M3	**1,2-dichlorobenzene**	x	2706932	40.18	1	ug	1.	**40 ug/L**	1.		480	40.	**100.5**
104-51-8	M3	**n-butylbenzene**	x	4639688	38.70	1	ug	1.	**39 ug/L**	1.		480	40.	**96.7**
87-61-6	M3	**1,2,4-trichlorobenzene**	x	3120743	36.65	2	ug	1.	**37 ug/L**	2.		480	40.	**91.6**
87-68-3	M3	**hexachlorobutadiene**	x	2004913	38.11	2	ug	1.	**38 ug/L**	2.		480	40.	**95.3**
91-20-3	M3	**napthylene**	x	3337340	36.50	2	ug	1.	**37 ug/L**	2.		480	40.	**91.3**
120-82-1	M3	**1,2,3-trichlorobenzene**	x	2973511	37.16	2	ug	1.	**37 ug/L**	2.		480	40.	**92.9**

CAS#	Type	System Monitoring Compounds	Resp.	Amt.	Area%	Units		Water Limits	r Limits		Soil Limits	Spike	%Rec
1868-53-7	S1	**dibromofluoromethane**	4663787	68.10	**89**	ug	5211326	65 -	135	50 -	150	69.9	**97.4**
17060-07-0	M1	**1,2 dichloroethane-d4**	1996775	70.65	**93**	ug	2150224	65 -	135	50 -	150	69.9	**101.1**
2037-26-5	S1	**toluene-d8**	4802296	69.97	**91**	ug	5285330	65 -	135	50 -	150	69.9	**100.1**
460-00-4	S2	**4-bromofluorobenzene**	5026146	71.86	**91**	ug	5531588	65 -	135	50 -	150	69.9	**102.8**

CAS#	Type	Internal Stanard Compounds	Resp.	Amt.	Area%	Units		Spike
462-06-6	I1	**fluorbenzene**	7782669	69.90	**92**	ug	8484018	69.9
3114-55-4	I2	**chlorobenzene-d5**	4431932	69.90	**88**	ug	5060990	69.9
3855-82-1	I3	**1,4-dichlorobenzene-d4**	3445445	69.90	**88**	ug	3894374	69.9

MDL = Method Detection Limit
PQL = Practical Quantition Limit = 4 x MDL
RDL = Reporting Detection Limit = MDL x Dilution Factor
MQL = Maximum Quantitation Limit = 110% x DF x Highest Calibration Standard

Reporting basis is Kg for solids and L for liquids

J qualifier = MDL < Result < PQL
E qualifier = Estimated Result > Highest Calibration Standard

Analyst

Approved

Evaluate Continuing Calibration Report

Data Path : C:\MSDCHEM\1\DATA_0806JUN10\
Data File : 0200002.D
Acq On : 10 Jun 2008 12:32 pm
Operator : KEY
Sample : CC 8260 40ppb, 08-0001, 0101080000,
Misc : 1uL #375 + 1uL #376 + 5uL #372
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 16:12:07 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25
:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I1	fluorbenzene	1.000	1.000	0.0	91	0.00
2	M1	dichlorodifluoromethane	0.424	0.387	8.7	77	0.00
3	MP1	chloromethane	0.336	0.356	-6.0	86	0.00
4	MC1	vinyl chloride	0.345	0.351	-1.7	85	0.00
5	M1	acetone	0.188	0.204	-8.5	86	0.00
6	M1	diethyl ether	0.442	0.505	-14.3	94	0.00
7	M1	bromomethane	0.222	0.225	-1.4	87	0.00
8	M1	chloroethane	0.176	0.179	-1.7	84	0.00
9	M1	trichlorofluoromethane	0.535	0.517	3.4	83	0.00
10	MC1	1,1-dichloroethene	0.261	0.256	1.9	83	0.00
11	M1	methylene chloride	0.279	0.288	-3.2	86	0.00
12	M1	1,1,2-trichlorotrifluoroeth	0.848	0.883	-4.1	92	0.00
13	M1	allyl chloride	0.576	0.629	-9.2	89	0.00
14	M1	trans 1,2-dichloroethene	0.289	0.285	1.4	83	0.00
15	M1	[MTBE] tert-butylmethyl eth	0.677	0.728	-7.5	90	0.00
16	MP1	1,1-dichloroethane	0.470	0.492	-4.7	88	0.00
17	M1	[MEK] 2-butanone	0.264	0.285	-8.0	84	0.00
18	M1	cis 1,2-dichloroethene	0.300	0.303	-1.0	86	0.00
19	M1	2,2-dichloropropane	0.690	0.619	10.3	79	0.00
20	M1	bromochloromethane	0.355	0.359	-1.1	86	0.00
21	MC1	chloroform (trichloromethan	0.587	0.599	-2.0	86	0.00
22	S1	dibromofluoromethane	0.615	0.599	2.6	89	0.00
23	H1	tetrahydrofruan	0.388	0.363	6.4	85	0.00
24	M1	1,1,1-trichloroethane	0.829	0.775	6.5	83	0.00
25	S1	1,2 dichloroethane-d4	0.254	0.257	-1.2	91	0.00
26	M1	1,2 dichloroethane	0.411	0.430	-4.6	88	0.00
27	M1	1,1-dichloropropene	0.434	0.431	0.7	86	0.00
28	M1	benzene	1.094	1.112	-1.6	87	0.00
29	M1	carbon tetrachloride	0.899	0.770	14.3	82	0.00
30	M1	trichloroethene	0.646	0.654	-1.2	86	0.00
31	MC1	1,2-dichloropropane	0.272	0.284	-4.4	91	0.00
32	M1	dibromomethane	0.201	0.196	2.5	83	0.00
33	M1	bromodichloromethane	0.397	0.376	5.3	92	0.00
34	M1	cis 1,3-dichloropropene	0.409	0.358	12.5	86	0.00
35	M1	[MIBK] 4-methyl-2-pentanone	0.423	0.453	-7.1	91	0.00
36	S1	toluene-d8	0.616	0.617	-0.2	91	0.00
37	MC1	toluene	0.701	0.711	-1.4	85	0.00
38	M1	trans 1,3-dichloropropene	0.359	0.291	18.9	86	0.00
39	M1	1,1,2-trichloroethane	0.208	0.218	-4.8	88	0.00
40	I2	chlorobenzene-d5	1.000	1.000	0.0	91	0.00
41	M2	1,3-dichloropropane	0.697	0.751	-7.7	89	0.00
42	M2	dibromochloromethane	0.509	0.445	12.6	88	0.00
43	M2	tetrachloroethene	1.055	1.077	-2.1	86	0.00
44	M2	1,2-dibromoethane	0.463	0.474	-2.4	87	0.00
45	MP2	chlorobenzene	1.346	1.411	-4.8	88	0.00
46	M2	1,1,1,2-tetrachloroethane	0.978	0.936	4.3	87	0.00
47	MC2	ethylbenzene	3.042	3.148	-3.5	87	0.00
48	M2	m/p xylene	1.830	1.891	-3.3	86	0.00

Evaluate Continuing Calibration Report

Data Path : C:\MSDCHEM\1\DATA_0806JUN10\
Data File : 0200002.D
Acq On : 10 Jun 2008 12:32 pm
Operator : KEY
Sample : CC 8260 40ppb, 08-0001, 0101080000,
Misc : 1uL #375 + 1uL #376 + 5uL #372
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 16:12:07 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25
:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	M2	styrene	1.337	1.367	-2.2	87	0.00
50	M2	o-xylene	1.870	1.957	-4.7	87	0.00
51	MP2	bromoform	0.336	0.274	18.5	88	0.00
52	MP2	1,1,2,2-tetrachloroethane	0.920	0.992	-7.8	90	0.00
53	M2	isopropylbenzene	2.281	2.331	-2.2	86	0.00
54	M2	1,2,3-trichloropropane	0.406	0.435	-7.1	88	0.00
55	S2	4-bromofluorobenzene	1.103	1.134	-2.8	92	0.00
56	M2	bromobenzene	0.611	0.630	-3.1	88	0.00
57	M2	2-chlorotoluene	0.556	0.576	-3.6	88	0.00
58	M2	n-propylbenzene	0.574	0.569	0.9	85	0.00
59	M2	4-chlorotoluene	0.549	0.567	-3.3	88	0.00
60	M2	1,3,5-trimethylbenzene	1.833	1.830	0.2	85	0.00
61	M2	tert-butylbenzene	1.603	1.577	1.6	85	0.00
62	M2	1,2,4-trimethylbenzene	1.825	1.842	-0.9	86	0.00
63	M2	1.2-dibromo-3-chloropropane	0.111	0.096#	13.5	84	0.00
64	I3	1,4-dichlorobenzene-d4	1.000	1.000	0.0	91	0.00
65	M3	1,3-dichlorobenzene	1.433	1.407	1.8	85	0.00
66	M3	p-isopropyltoluene	2.531	2.398	5.3	85	0.00
67	M3	sec-butylbenzene	3.180	3.105	2.4	86	0.00
68	M3	1,4-dichlorobenzene	1.455	1.445	0.7	86	0.00
69	M3	1,2-dichlorobenzene	1.367	1.373	-0.4	88	0.00
70	M3	n-butylbenzene	2.432	2.353	3.2	87	0.00
71	M3	1,2,4-trichlorobenzene	1.728	1.583	8.4	85	0.00
72	M3	hexachlorobutadiene	1.067	1.017	4.7	83	0.00
73	M3	napthylene	1.855	1.693	8.7	87	0.00
74	M3	1,2,3-trichlorobenzene	1.623	1.508	7.1	84	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA_0806JUN10\
Data File : 0200002.D
Acq On : 10 Jun 2008 12:32 pm
Operator : KEY
Sample : CC 8260 40ppb, 08-0001, 0101080000,
Misc : 1uL #375 + 1uL #376 + 5uL #372
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 16:12:07 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorbenzene	4.26	96	7782669	69.90	ug		0.00
40) chlorobenzene-d5	9.34	54	4431932+	69.90	ug		0.00
64) 1,4-dichlorobenzene-d4	13.71	154	3445445+	69.90	ug		0.00
System Monitoring Compounds							
22) dibromofluoromethane	2.91	113	4663787+	68.10	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 97.42%				
25) 1,2 dichloroethane-d4	3.34	104	1996775+	70.65	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 101.07%				
36) toluene-d8	6.91	100	4802296	69.97	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 100.10%				
55) 4-bromofluorobenzene	11.75	174	5026146+	71.86	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 102.80%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.96	85	1724032	36.55	ug		98
3) chloromethane	1.02	50	1587534	42.48	ug		100
4) vinyl chloride	1.07	62	1563452	40.75	ug	#	94
5) acetone	1.50	58	909118+	43.46	ug		99
6) diethyl ether	1.53	74	2248753+	45.71	ug		97
7) bromomethane	1.20	94	1004249	40.64	ug		100
8) chloroethane	1.24	64	796940	40.63	ug		98
9) trichlorofluoromethane	1.44	101	2304005	38.70	ug		99
10) 1,1-dichloroethene	1.64	96	1140569	39.29	ug		98
11) methylene chloride	1.71	84	1284081	41.29	ug		99
12) 1,1,2-trichlorotrifluoroet	1.74	151	3933240+	41.67	ug		99
13) allyl chloride	1.75	78	2801902+	43.70	ug		100
14) trans 1,2-dichloroethene	2.06	96	1270495	39.51	ug		98
15) [MTBE] tert-butylmethyl et	2.14	73	3242473	43.02	ug		99
16) 1,1-dichloroethane	2.20	63	2191700	41.90	ug		99
17) [MEK] 2-butanone	2.56	72	1269496+	43.19	ug		99
18) cis 1,2-dichloroethene	2.62	96	1350466	40.38	ug		100
19) 2,2-dichloropropane	2.86	77	2758468+	35.93	ug		99
20) bromochloromethane	2.74	128	1600693+	40.55	ug		100
21) chloroform (trichlorometha	2.80	83	2669869	40.82	ug		98
23) tetrahydrofruan	3.11	71	1615239m+	37.35	ug		
24) 1,1,1-trichloroethane	3.51	97	3449950+	37.37	ug		99
26) 1,2 dichloroethane	3.42	62	1913681	41.78	ug		99
27) 1,1-dichloropropene	3.74	75	1918560	39.73	ug		99
28) benzene	3.96	78	4951464	40.66	ug		100
29) carbon tetrachloride	3.89	117	3427407+	34.23	ug		99
30) trichloroethene	4.78	130	2913031+	40.50	ug		99
31) 1,2-dichloropropane	4.71	63	1263412	41.74	ug		99
32) dibromomethane	4.64	174	875112	39.14	ug		92
33) bromodichloromethane	4.84	83	1676743	37.97	ug		97
34) cis 1,3-dichloropropene	5.83	75	1594077	35.01	ug		98
35) [MIBK] 4-methyl-2-pentanon	6.13	58	2019533+	42.92	ug		100
37) toluene	7.01	92	3164700	40.53	ug		100
38) trans 1,3-dichloropropene	6.56	75	1295687	32.43	ug		98
39) 1,1,2-trichloroethane	6.71	83	972231	41.91	ug		99
41) 1,3-dichloropropane	7.12	76	1905780	43.10	ug		98
42) dibromochloromethane	7.42	129	1128251	34.95	ug		96
43) tetrachloroethene	8.18	166	2730463+	40.81	ug		99

Data Path : C:\MSDCHEM\1\DATA_0806JUN10\
Data File : 0200002.D
Acq On : 10 Jun 2008 12:32 pm
Operator : KEY
Sample : CC 8260 40ppb, 08-0001, 0101080000,
Misc : 1uL #375 + 1uL #376 + 5uL #372
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 16:12:07 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Tue Jun 10 15:25
:27 2008
QLast Update : Tue Jun 10 15:25:27 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 1,2-dibromoethane	7.80	107	1203200	41.02	ug		98
45) chlorobenzene	9.39	112	3578822	41.94	ug		97
46) 1,1,1,2-tetrachloroethane	9.28	131	2374595+	38.31	ug		100
47) ethylbenzene	9.90	91	7984406+	41.39	ug		100
48) m/p xylene	10.33	91	9593661	82.69	ug		100
49) styrene	10.91	104	3466088	40.90	ug		99
50) o-xylene	11.04	91	4963691	41.87	ug		99
51) bromoform	10.20	173	696076	32.64	ug		99
52) 1,1,2,2-tetrachloroethane	11.01	83	2516291+	43.12	ug		99
53) isopropylbenzene	11.80	105	5911467	40.88	ug		97
54) 1,2,3-trichloropropane	11.27	75	1102853	42.83	ug		99
56) bromobenzene	12.01	156	1597443	41.21	ug		100
57) 2-chlorotoluene	12.66	126	1461330	41.44	ug		96
58) n-propylbenzene	12.64	120	1442922	39.62	ug		98
59) 4-chlorotoluene	12.80	126	1437487	41.27	ug		98
60) 1,3,5-trimethylbenzene	13.17	105	4641628	39.93	ug		100
61) tert-butylbenzene	13.42	119	3998379	39.34	ug		99
62) 1,2,4-trimethylbenzene	13.60	105	4672487	40.38	ug		100
63) 1.2-dibromo-3-chloropropan	14.50	157	242336	34.33	ug	#	84
65) 1,3-dichlorobenzene	13.65	146	2775000	39.28	ug		99
66) p-isopropyltoluene	13.93	119	4727829	37.90	ug		99
67) sec-butylbenzene	13.68	105	6121282	39.05	ug	#	98
68) 1,4-dichlorobenzene	13.74	146	2848775	39.73	ug		99
69) 1,2-dichlorobenzene	14.08	146	2706932	40.18	ug		98
70) n-butylbenzene	14.31	91	4639688	38.70	ug		98
71) 1,2,4-trichlorobenzene	15.43	180	3120743+	36.65	ug		99
72) hexachlorobutadiene	15.63	225	2004913+	38.11	ug		99
73) napthylene	15.56	128	3337340	36.50	ug	#	99
74) 1,2,3-trichlorobenzene	15.67	180	2973511+	37.16	ug		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Key Laboratories, Inc.
2479 River Road, Unit A
Grand Junction, CO 81505
(970) 243-5311
Fax (970) 243-6010

CHAIN OF CUSTODY RECORD

0620081649

Proj. No.

Company Name Marathon Oil
Phone # 243-5311
Fax #

SAMPLERS: *(Signature)* Adell K Heneghan

PRINT NAME: Adell K. Heneghan

SAMPLE NO.	DATE	TIME	MATRIX	PROJECT NAME/ SAMPLE LOCATION	SAMPLE ANALYSES: 8260	CONTAINER/SIZE/TYPE	PRESERVATIVES	REMARKS	LABORATORY SAMPLE #
Stock Pond	06/20/08	2:20	Water		X	2 g	N		1649
Ned Spring	06/20/08	2:35	Water		X	2 g	N		1650
					TOTAL NO. OF CONTAINERS				

Relinquished by : *(Signature)*	Date / Time	Received by: *(Signature)*	Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*
Adell K Heneghan	6/20/08 7:11c				

Custody Seal No.	Custody Seal Present / Intact	Date Required

Method of Shipment:	Shipped by: *(Signature)*	Date Completed:	Received for Laboratory by: *(Signature)*	Date / Time
			J Easterling	6/20/08 1916

Distribution: Original Accompanies Shipment; Copy to Field Files
Form CC-01-6-92 Rev. 7/97

KEY LABORATORIES, INC.
2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil**
Client Project Name : **Ned Spring**

Lab QC Batch Sample : **08-1650, Ned Spring**
Key Lab # : **08-1649**
Work Order # : **0620081649**
Date Recieved : **06/20/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 0400004.D
Date Analyzed : 22 Jun 2008 9:34 pm
Data File Path : C:\MSDCHEM\1\DATA_0806JUN22\
Lab Sample Information : Water, 1xdil, Marathon
Lab Sample Number : **Stock Pond, 08-1649, 0620081649,**

Client Sample Number : **Stock Pond**

Sampling Date : **6/20/2008**
Sampling Time : **14:20**
Sample Matrix : **Water**
Sampler : **Adell**

Reported==>> x DF = 1

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc		RDL	Qual	MQL
75-71-8	M1	**dichlorodifluoromethane**	x	2150	0.04	2	ug	1.		<	2.		480
74-87-3	MP1	**chloromethane**	x	0	0.00	2	ug	1.		<	2.		480
75-01-4	MC1	**vinyl chloride**	x	0	0.00	2	ug	1.		<	2.		480
67-64-1	M1	**acetone**	x	152248	6.81	6.85	ug	1.		<	6.85		480
60-29-7	M1	**diethyl ether**	x	0	0.00	2	ug	1.		<	2.		480
74-83-9	M1	**bromomethane**	x	0	0.00	2	ug	1.		<	2.		480
75-00-3	M1	**chloroethane**	x	0	0.00	2	ug	1.		<	2.		480
75-69-4	M1	**trichlorofluoromethane**	x	0	0.00	1	ug	1.		<	1.		480
75-35-4	MC1	**1,1-dichloroethene**	x	0	0.00	1	ug	1.		<	1.		480
75-09-2	M1	**methylene chloride**	x	2456	0.07	1	ug	1.		<	1.		480
76-13-1	M1	**1,1,2-trichlorotrifluoroethane**	x	0	0.00	1	ug	1.		<	1.		480
107-05-1	M1	**allyl chloride**	x	0	0.00	1	ug	1.		<	1.		480
156-60-5	M1	**trans 1,2-dichloroethene**	x	0	0.00	1	ug	1.		<	1.		480
1634-04-4	M1	**[MTBE] tert-butylmethyl ether**	x	0	0.00	1	ug	1.		<	1.		480
75-34-3	MP1	**1,1-dichloroethane**	x	0	0.00	1	ug	1.		<	1.		480
78-93-3	M1	**[MEK] 2-butanone**	x	0	0.00	4	ug	1.		<	4.		480
156-59-4	M1	**cis 1,2-dichloroethene**	x	0	0.00	1	ug	1.		<	1.		480
590-20-7	M1	**2,2-dichloropropane**	x	3079	0.04	1	ug	1.		<	1.		480
74-97-5	M1	**bromochloromethane**	x	0	0.00	1	ug	1.		<	1.		480
67-66-3	MC1	**chloroform (trichloromethane)**	x	0	0.00	1	ug	1.		<	1.		480
109-99-9	M1	**tetrahydrofruan**	x	18462	1.09	4	ug	1.		<	4.		480
71-55-6	M1	**1,1,1-trichloroethane**	x	0	0.00	1	ug	1.		<	1.		480
107-06-2	M1	**1,2 dichloroethane**	x	0	0.00	1	ug	1.		<	1.		480
563-58-6	M1	**1,1-dichloropropene**	x	0	0.00	1	ug	1.		<	1.		480
71-43-2	M1	**benzene**	x	24845	0.19	1	ug	1.		<	1.		480
56-26-5	M1	**carbon tetrachloride**	x	0	0.00	1	ug	1.		<	1.		480
79-01-6	M1	**trichloroethene**	x	11088	0.14	1	ug	1.		<	1.		480
78-87-5	MC1	**1,2-dichloropropane**	x	0	0.00	1	ug	1.		<	1.		480
74-95-3	M1	**dibromomethane**	x	0	0.00	1	ug	1.		<	1.		480
75-27-4	M1	**bromodichloromethane**	x	0	0.00	1	ug	1.		<	1.		480
10061-01-5	M1	**cis 1,3-dichloropropene**	x	0	0.00	1	ug	1.		<	1.		480
108-10-1	M1	**[MIBK] 4-methyl-2-pentanone**	x	0	0.00	1	ug	1.		<	1.		480
108-88-3	MC1	**toluene**	x	50215	0.60	2	ug	1.		<	2.		480
10061-02-6	M1	**trans 1,3-dichloropropene**	x	0	0.00	1	ug	1.		<	1.		480
79-00-5	M1	**1,1,2-trichloroethane**	x	0	0.00	1	ug	1.		<	1.		480
142-28-9	M2	**1,3-dichloropropane**	x	0	0.00	1	ug	1.		<	1.		480
124-48-1	M2	**dibromochloromethane**	x	0	0.00	1	ug	1.		<	1.		480
127-18-4	M2	**tetrachloroethene**	x	0	0.00	1	ug	1.		<	1.		480
106-93-4	M2	**1,2-dibromoethane**	x	0	0.00	1	ug	1.		<	1.		480
108-90-7	MP2	**chlorobenzene**	x	0	0.00	1	ug	1.		<	1.		480
630-20-6	M2	**1,1,1,2-tetrachloroethane**	x	0	0.00	1	ug	1.		<	1.		480
100-41-4	MC2	**ethylbenzene**	x	9551	0.05	1	ug	1.		<	1.		480
	M2	**m/p xylene**	x	47111	0.40	1	ug	1.		<	1.		960
100-42-5	M2	**styrene**	x	0	0.00	1	ug	1.		<	1.		480
95-47-6	M2	**o-xylene**	x	19058	0.16	1	ug	1.		<	1.		480
75-25-2	MP2	**bromoform**	x	0	0.00	1	ug	1.		<	1.		480
79-34-5	MP2	**1,1,2,2-tetrachloroethane**	x	0	0.00	1	ug	1.		<	1.		480
98-82-8	M2	**isopropylbenzene**	x	1536	0.01	1	ug	1.		<	1.		480
96-18-4	M2	**1,2,3-trichloropropane**	x	0	0.00	1	ug	1.		<	1.		480
108-86-1	M2	**bromobenzene**	x	0	0.00	1	ug	1.		<	1.		480
95-49-8	M2	**2-chlorotoluene**	x	0	0.00	1	ug	1.		<	1.		480
103-65-1	M2	**n-propylbenzene**	x	0	0.00	1	ug	1.		<	1.		480

KEY LABORATORIES, INC.
2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil**
Client Project Name : **Ned Spring**

Client Sample Number : **Stock Pond**

Sampling Date : **6/20/2008**
Sampling Time : **14:20**
Sample Matrix : **Water**
Sampler : **Adell**

Lab QC Batch Sample : **08-1650, Ned Spring**
Key Lab # : **08-1649**
Work Order # : **0620081649**
Date Recieved : **06/20/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 0400004.D
Date Analyzed : 22 Jun 2008 9:34 pm
Data File Path : C:\MSDCHEM\1\DATA_0806JUN22\
Lab Sample Information : Water, 1xdil, Marathon
Lab Sample Number : **Stock Pond, 08-1649, 0620081649,**

Reported==>> **x** **DF = 1**

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc		RDL	Qual	MQL
106-43-4	M2	**4-chlorotoluene**	x	0	0.00	1	ug	1.	<	1.			480
108-67-8	M2	**1,3,5-trimethylbenzene**	x	8636	0.07	1	ug	1.	<	1.			480
98-06-6	M2	**tert-butylbenzene**	x	0	0.00	1	ug	1.	<	1.			480
95-63-6	M2	**1,2,4-trimethylbenzene**	x	28235	0.24	1	ug	1.	<	1.			480
96-12-8	M2	**1.2-dibromo-3-chloropropane**	x	0	0.00	1	ug	1.	<	1.			480
541-73-1	M3	**1,3-dichlorobenzene**	x	0	0.00	1	ug	1.	<	1.			480
99-87-6	M3	**p-isopropyltoluene**	x	0	0.00	1	ug	1.	<	1.			480
135-98-8	M3	**sec-butylbenzene**	x	3286	0.02	1	ug	1.	<	1.			480
106-46-7	M3	**1,4-dichlorobenzene**	x	0	0.00	1	ug	1.	<	1.			480
95-50-1	M3	**1,2-dichlorobenzene**	x	0	0.00	1	ug	1.	<	1.			480
104-51-8	M3	**n-butylbenzene**	x	0	0.00	1	ug	1.	<	1.			480
87-61-6	M3	**1,2,4-trichlorobenzene**	x	0	0.00	2	ug	1.	<	2.			480
87-68-3	M3	**hexachlorobutadiene**	x	0	0.00	2	ug	1.	<	2.			480
91-20-3	M3	**napthylene**	x	8415	0.10	2	ug	1.	<	2.			480
120-82-1	M3	**1,2,3-trichlorobenzene**	x	0	0.00	2	ug	1.	<	2.			480

CAS#	Type	System Monitoring Compounds	Resp.	Amt.	Area%	Units	Water Limits	r Limits		Soil Limits		Spike	%Rec
1868-53-7	S1	**dibromofluoromethane**	4709136	64.32	**90**	ug	5211326	65 -	135	50 -	150	69.9	**92.**
17060-07-0	M1	**1,2 dichloroethane-d4**	2086039	69.05	**97**	ug	2150224	65 -	135	50 -	150	69.9	**98.8**
2037-26-5	S1	**toluene-d8**	4949187	67.46	**94**	ug	5285330	65 -	135	50 -	150	69.9	**96.5**
460-00-4	S2	**4-bromofluorobenzene**	4738074	66.54	**86**	ug	5531588	65 -	135	50 -	150	69.9	**95.2**

CAS#	Type	Internal Stanard Compounds	Resp.	Amt.	Area%	Units		Spike
462-06-6	I1	**fluorbenzene**	8319733	69.90	**98**	ug	8484018	69.9
3114-55-4	I2	**chlorobenzene-d5**	4511957	69.90	**89**	ug	5060990	69.9
3855-82-1	I3	**1,4-dichlorobenzene-d4**	3037373	69.90	**78**	ug	3894374	69.9

MDL = Method Detection Limit
PQL = Practical Quantition Limit = 4 x MDL
RDL = Reporting Detection Limit = MDL x Dilution Factor
MQL = Maximum Quantitation Limit = 110% x DF x Highest Calibration Standard

Reporting basis is Kg for solids and L for liquids

J qualifier = MDL < Result < PQL
E qualifier = Estimated Result > Highest Calibration Standard

Analyst

Approved

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun22\
Data File : 0400004.D
Acq On : 22 Jun 2008 9:34 pm
Operator : KEY
Sample : Stock Pond, 08-1649, 0620081649,
Misc : Water, 1xdil, Marathon
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 22 22:11:34 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56:12 2008
QLast Update : Wed Jun 11 16:56:12 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorbenzene	4.26	96	8319733	69.90	ug	0.00
40) chlorobenzene-d5	9.34	54	4511957+	69.90	ug	0.00
64) 1,4-dichlorobenzene-d4	13.71	154	3037373+	69.90	ug	0.00
System Monitoring Compounds						
22) dibromofluoromethane	2.92	113	4709136+	64.32	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 92.02%			
25) 1,2 dichloroethane-d4	3.35	104	2086039+	69.05	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 98.78%			
36) toluene-d8	6.91	100	4949187	67.46	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 96.51%			
55) 4-bromofluorobenzene	11.75	174	4738074+	66.54	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 95.19%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.96	85	2150	0.04	ug #	53
3) chloromethane	0.00	50	0	N.D.		
4) vinyl chloride	0.00	62	0	N.D.		
5) acetone	1.49	58	152248+	6.81	ug #	80
6) diethyl ether	0.00	74	0+	N.D.		
7) bromomethane	0.00	94	0	N.D.		
8) chloroethane	0.00	64	0	N.D.		
9) trichlorofluoromethane	0.00	101	0	N.D.		
10) 1,1-dichloroethene	0.00	96	0	N.D.		
11) methylene chloride	1.72	84	2456	0.07	ug #	62
12) 1,1,2-trichlorotrifluoroet	0.00	151	0+	N.D.		
13) allyl chloride	0.00	78	0+	N.D.		
14) trans 1,2-dichloroethene	0.00	96	0	N.D.		
15) [MTBE] tert-butylmethyl et	0.00	73	0	N.D.		
16) 1,1-dichloroethane	0.00	63	0	N.D.		
17) [MEK] 2-butanone	0.00	72	0+	N.D.		
18) cis 1,2-dichloroethene	0.00	96	0	N.D.		
19) 2,2-dichloropropane	2.79	77	3079+	0.04	ug	59
20) bromochloromethane	0.00	128	0+	N.D.		
21) chloroform (trichlorometha	0.00	83	0	N.D.		
23) tetrahydrofruan	3.12	71	18462+	1.09	ug	85
24) 1,1,1-trichloroethane	0.00	97	0+	N.D.		
26) 1,2 dichloroethane	0.00	62	0	N.D.		
27) 1,1-dichloropropene	0.00	75	0	N.D.		
28) benzene	3.97	78	24845	0.19	ug	91
29) carbon tetrachloride	0.00	117	0+	N.D.		
30) trichloroethene	4.78	130	11088+	0.14	ug	85
31) 1,2-dichloropropane	0.00	63	0	N.D.		
32) dibromomethane	0.00	174	0	N.D.		
33) bromodichloromethane	0.00	83	0	N.D.		
34) cis 1,3-dichloropropene	0.00	75	0	N.D.		
35) [MIBK] 4-methyl-2-pentanon	0.00	58	0+	N.D.		
37) toluene	7.02	92	50215	0.60	ug	97
38) trans 1,3-dichloropropene	0.00	75	0	N.D.		
39) 1,1,2-trichloroethane	0.00	83	0	N.D.		
41) 1,3-dichloropropane	0.00	76	0	N.D.		
42) dibromochloromethane	0.00	129	0	N.D.		
43) tetrachloroethene	0.00	166	0+	N.D.		

Data Path : C:\MSDChem\1\DATA_0806jun22\
Data File : 0400004.D
Acq On : 22 Jun 2008 9:34 pm
Operator : KEY
Sample : Stock Pond, 08-1649, 0620081649,
Misc : Water, 1xdil, Marathon
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 22 22:11:34 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56
:12 2008
QLast Update : Wed Jun 11 16:56:12 2008
Response via : Initial Calibration

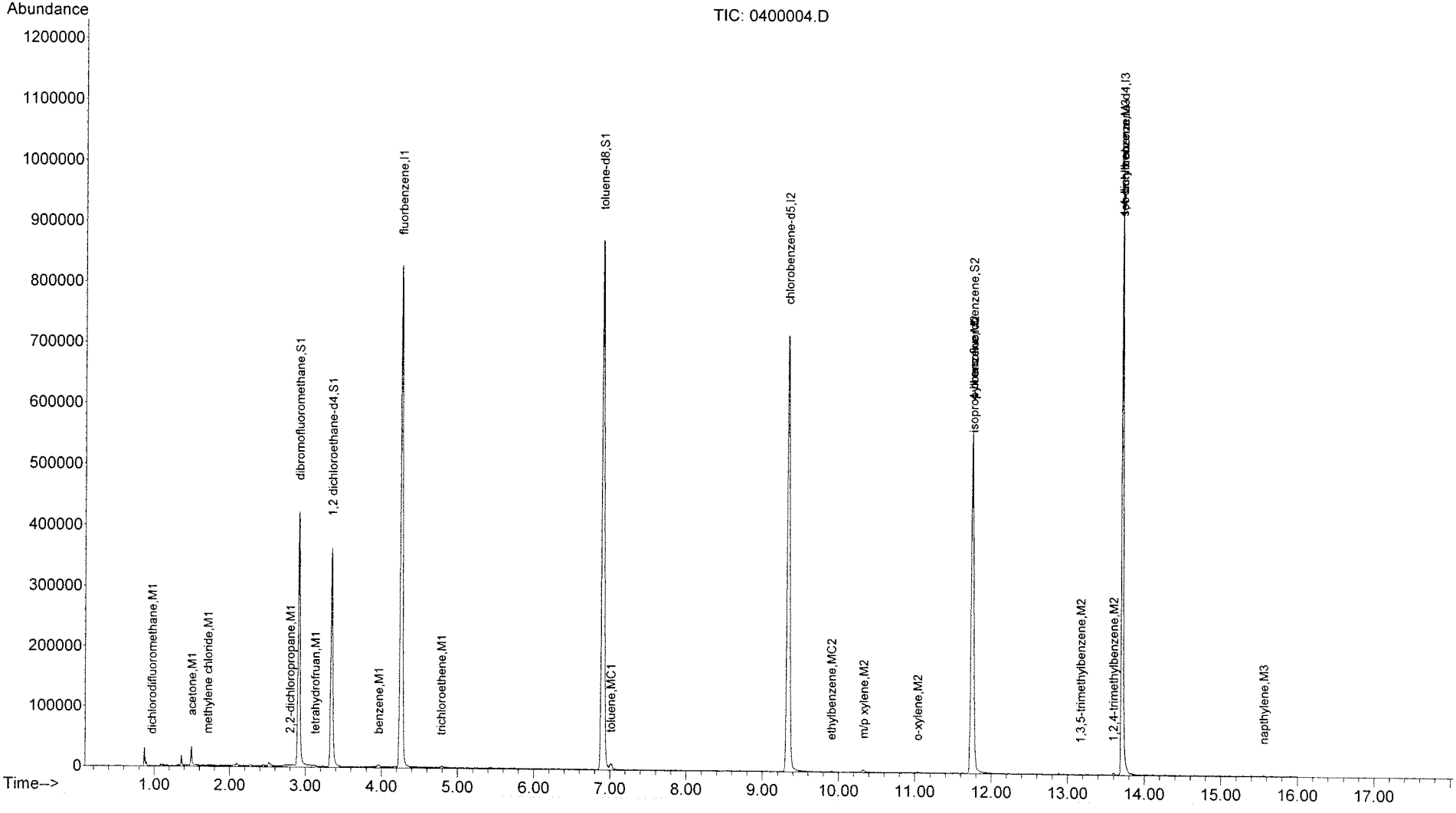
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 1,2-dibromoethane	0.00	107	0	N.D.			
45) chlorobenzene	0.00	112	0	N.D.			
46) 1,1,1,2-tetrachloroethane	0.00	131	0+	N.D.			
47) ethylbenzene	9.90	91	9551+	0.05	ug		91
48) m/p xylene	10.32	91	47111	0.40	ug		97
49) styrene	0.00	104	0	N.D.			
50) o-xylene	11.04	91	19058	0.16	ug	#	77
51) bromoform	0.00	173	0	N.D.			
52) 1,1,2,2-tetrachloroethane	0.00	83	0+	N.D.			
53) isopropylbenzene	11.76	105	1536	0.01	ug	#	37
54) 1,2,3-trichloropropane	0.00	75	0	N.D.			
56) bromobenzene	0.00	156	0	N.D.			
57) 2-chlorotoluene	0.00	126	0	N.D.			
58) n-propylbenzene	0.00	120	0	N.D.			
59) 4-chlorotoluene	0.00	126	0	N.D.			
60) 1,3,5-trimethylbenzene	13.16	105	8636	0.07	ug	#	61
61) tert-butylbenzene	0.00	119	0	N.D.			
62) 1,2,4-trimethylbenzene	13.61	105	28235	0.24	ug		94
63) 1.2-dibromo-3-chloropropan	0.00	157	0	N.D.			
65) 1,3-dichlorobenzene	0.00	146	0	N.D.			
66) p-isopropyltoluene	0.00	119	0	N.D.			
67) sec-butylbenzene	13.71	105	3286	0.02	ug	#	1
68) 1,4-dichlorobenzene	0.00	146	0	N.D.			
69) 1,2-dichlorobenzene	0.00	146	0	N.D.			
70) n-butylbenzene	0.00	91	0	N.D.			
71) 1,2,4-trichlorobenzene	0.00	180	0+	N.D.			
72) hexachlorobutadiene	0.00	225	0+	N.D.			
73) napthylene	15.56	128	8415	0.10	ug	#	69
74) 1,2,3-trichlorobenzene	0.00	180	0+	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun22\
Data File : 0400004.D
Acq On : 22 Jun 2008 9:34 pm
Operator : KEY
Sample : Stock Pond, 08-1649, 0620081649,
Misc : Water, 1xdil, Marathon
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 22 22:11:34 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56:12 2008
QLast Update : Wed Jun 11 16:56:12 2008
Response via : Initial Calibration



KEY LABORATORIES, INC.

2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil**
Client Project Name : **Ned Spring**

Lab QC Batch Sample : **08-1650, Ned Spring**
Key Lab # : **08-1650**
Work Order # : **0620081649**
Date Recieved : **06/20/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 0500005.D
Date Analyzed : 22 Jun 2008 10:12 pm
Data File Path : C:\MSDCHEM\1\DATA_0806JUN22\
Lab Sample Information : Water, 1xdil, Marathon
Lab Sample Number : **Ned Spring, 08-1650, M, 0620081649,**

Client Sample Number : **Ned Spring**

Sampling Date : **6/20/2008**
Sampling Time : **14:35**
Sample Matrix : **Water**
Sampler : **Adell**

Reported==>> x DF = 1

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc	RDL	Qual	MQL
75-71-8	M1	**dichlorodifluoromethane**	x	1107	0.02	2	ug	1.	<	2.		480
74-87-3	MP1	**chloromethane**	x	0	0.00	2	ug	1.	<	2.		480
75-01-4	MC1	**vinyl chloride**	x	0	0.00	2	ug	1.	<	2.		480
67-64-1	M1	**acetone**	x	191601	8.73	6.85	ug	1.	**8.7 ug/L**	6.85	J	480
60-29-7	M1	**diethyl ether**	x	0	0.00	2	ug	1.	<	2.		480
74-83-9	M1	**bromomethane**	x	0	0.00	2	ug	1.	<	2.		480
75-00-3	M1	**chloroethane**	x	0	0.00	2	ug	1.	<	2.		480
75-69-4	M1	**trichlorofluoromethane**	x	0	0.00	1	ug	1.	<	1.		480
75-35-4	MC1	**1,1-dichloroethene**	x	0	0.00	1	ug	1.	<	1.		480
75-09-2	M1	**methylene chloride**	x	3480	0.11	1	ug	1.	<	1.		480
76-13-1	M1	**1,1,2-trichlorotrifluoroethane**	x	0	0.00	1	ug	1.	<	1.		480
107-05-1	M1	**allyl chloride**	x	0	0.00	1	ug	1.	<	1.		480
156-60-5	M1	**trans 1,2-dichloroethene**	x	0	0.00	1	ug	1.	<	1.		480
1634-04-4	M1	**[MTBE] tert-butylmethyl ether**	x	0	0.00	1	ug	1.	<	1.		480
75-34-3	MP1	**1,1-dichloroethane**	x	0	0.00	1	ug	1.	<	1.		480
78-93-3	M1	**[MEK] 2-butanone**	x	0	0.00	4	ug	1.	<	4.		480
156-59-4	M1	**cis 1,2-dichloroethene**	x	1174	0.03	1	ug	1.	<	1.		480
590-20-7	M1	**2,2-dichloropropane**	x	4125	0.05	1	ug	1.	<	1.		480
74-97-5	M1	**bromochloromethane**	x	0	0.00	1	ug	1.	<	1.		480
67-66-3	MC1	**chloroform (trichloromethane)**	x	0	0.00	1	ug	1.	<	1.		480
109-99-9	M1	**tetrahydrofruan**	x	24107	1.45	4	ug	1.	<	4.		480
71-55-6	M1	**1,1,1-trichloroethane**	x	0	0.00	1	ug	1.	<	1.		480
107-06-2	M1	**1,2 dichloroethane**	x	0	0.00	1	ug	1.	<	1.		480
563-58-6	M1	**1,1-dichloropropene**	x	0	0.00	1	ug	1.	<	1.		480
71-43-2	M1	**benzene**	x	18840	0.15	1	ug	1.	<	1.		480
56-26-5	M1	**carbon tetrachloride**	x	0	0.00	1	ug	1.	<	1.		480
79-01-6	M1	**trichloroethene**	x	1611	0.02	1	ug	1.	<	1.		480
78-87-5	MC1	**1,2-dichloropropane**	x	0	0.00	1	ug	1.	<	1.		480
74-95-3	M1	**dibromomethane**	x	0	0.00	1	ug	1.	<	1.		480
75-27-4	M1	**bromodichloromethane**	x	0	0.00	1	ug	1.	<	1.		480
10061-01-5	M1	**cis 1,3-dichloropropene**	x	0	0.00	1	ug	1.	<	1.		480
108-10-1	M1	**[MIBK] 4-methyl-2-pentanone**	x	0	0.00	1	ug	1.	<	1.		480
108-88-3	MC1	**toluene**	x	36397	0.44	2	ug	1.	<	2.		480
10061-02-6	M1	**trans 1,3-dichloropropene**	x	0	0.00	1	ug	1.	<	1.		480
79-00-5	M1	**1,1,2-trichloroethane**	x	0	0.00	1	ug	1.	<	1.		480
142-28-9	M2	**1,3-dichloropropane**	x	0	0.00	1	ug	1.	<	1.		480
124-48-1	M2	**dibromochloromethane**	x	0	0.00	1	ug	1.	<	1.		480
127-18-4	M2	**tetrachloroethene**	x	0	0.00	1	ug	1.	<	1.		480
106-93-4	M2	**1,2-dibromoethane**	x	0	0.00	1	ug	1.	<	1.		480
108-90-7	MP2	**chlorobenzene**	x	0	0.00	1	ug	1.	<	1.		480
630-20-6	M2	**1,1,1,2-tetrachloroethane**	x	0	0.00	1	ug	1.	<	1.		480
100-41-4	MC2	**ethylbenzene**	x	6751	0.03	1	ug	1.	<	1.		480
	M2	**m/p xylene**	x	27903	0.24	1	ug	1.	<	1.		960
100-42-5	M2	**styrene**	x	0	0.00	1	ug	1.	<	1.		480
95-47-6	M2	**o-xylene**	x	10628	0.09	1	ug	1.	<	1.		480
75-25-2	MP2	**bromoform**	x	0	0.00	1	ug	1.	<	1.		480
79-34-5	MP2	**1,1,2,2-tetrachloroethane**	x	0	0.00	1	ug	1.	<	1.		480
98-82-8	M2	**isopropylbenzene**	x	4103	0.03	1	ug	1.	<	1.		480
96-18-4	M2	**1,2,3-trichloropropane**	x	0	0.00	1	ug	1.	<	1.		480
108-86-1	M2	**bromobenzene**	x	0	0.00	1	ug	1.	<	1.		480
95-49-8	M2	**2-chlorotoluene**	x	0	0.00	1	ug	1.	<	1.		480
103-65-1	M2	**n-propylbenzene**	x	0	0.00	1	ug	1.	<	1.		480

KEY LABORATORIES, INC.

2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil**
Client Project Name : **Ned Spring**

Client Sample Number : **Ned Spring**

Sampling Date : **6/20/2008**
Sampling Time : **14:35**
Sample Matrix : **Water**
Sampler : **Adell**

Lab QC Batch Sample : **08-1650, Ned Spring**
Key Lab # : **08-1650**
Work Order # : **0620081649**
Date Recieved : **06/20/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 0500005.D
Date Analyzed : 22 Jun 2008 10:12 pm
Data File Path : C:\MSDCHEM\1\DATA_0806JUN22\
Lab Sample Information : Water, 1xdil, Marathon
Lab Sample Number : **Ned Spring, 08-1650, M, 0620081649,**

Reported==>> x **DF =** 1

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc		RDL	Qual	MQL
106-43-4	M2	**4-chlorotoluene**	x	0	0.00	1	ug	1.	<	1.			480
108-67-8	M2	**1,3,5-trimethylbenzene**	x	17721	0.15	1	ug	1.	<	1.			480
98-06-6	M2	**tert-butylbenzene**	x	1772	0.02	1	ug	1.	<	1.			480
95-63-6	M2	**1,2,4-trimethylbenzene**	x	12772	0.11	1	ug	1.	<	1.			480
96-12-8	M2	**1.2-dibromo-3-chloropropane**	x	0	0.00	1	ug	1.	<	1.			480
541-73-1	M3	**1,3-dichlorobenzene**	x	1387	0.02	1	ug	1.	<	1.			480
99-87-6	M3	**p-isopropyltoluene**	x	2180	0.02	1	ug	1.	<	1.			480
135-98-8	M3	**sec-butylbenzene**	x	3630	0.03	1	ug	1.	<	1.			480
106-46-7	M3	**1,4-dichlorobenzene**	x	0	0.00	1	ug	1.	<	1.			480
95-50-1	M3	**1,2-dichlorobenzene**	x	0	0.00	1	ug	1.	<	1.			480
104-51-8	M3	**n-butylbenzene**	x	0	0.00	1	ug	1.	<	1.			480
87-61-6	M3	**1,2,4-trichlorobenzene**	x	0	0.00	2	ug	1.	<	2.			480
87-68-3	M3	**hexachlorobutadiene**	x	0	0.00	2	ug	1.	<	2.			480
91-20-3	M3	**napthylene**	x	8584	0.11	2	ug	1.	<	2.			480
120-82-1	M3	**1,2,3-trichlorobenzene**	x	0	0.00	2	ug	1.	<	2.			480

CAS#	Type	System Monitoring Compounds	Resp.	Amt.	Area%	Units	Water Limits	r Limits		Soil Limits		Spike	%Rec
1868-53-7	S1	**dibromofluoromethane**	4661926	64.91	**89**	ug	5211326	65 -	135	50 -	150	69.9	**92.9**
17060-07-0	M1	**1,2 dichloroethane-d4**	2110097	71.19	**98**	ug	2150224	65 -	135	50 -	150	69.9	**101.8**
2037-26-5	S1	**toluene-d8**	4813984	66.88	**91**	ug	5285330	65 -	135	50 -	150	69.9	**95.7**
460-00-4	S2	**4-bromofluorobenzene**	4662832	66.05	**84**	ug	5531588	65 -	135	50 -	150	69.9	**94.5**

CAS#	Type	Internal Stanard Compounds	Resp.	Amt.	Area%	Units		Spike
462-06-6	I1	**fluorbenzene**	8162562	69.90	**96**	ug	8484018	69.9
3114-55-4	I2	**chlorobenzene-d5**	4473141	69.90	**88**	ug	5060990	69.9
3855-82-1	I3	**1,4-dichlorobenzene-d4**	3043537	69.90	**78**	ug	3894374	69.9

MDL = Method Detection Limit
PQL = Practical Quantition Limit = 4 x MDL
RDL = Reporting Detection Limit = MDL x Dilution Factor
MQL = Maximum Quantitation Limit = 110% x DF x Highest Calibration Standard

Reporting basis is Kg for solids and L for liquids

J qualifier = MDL < Result < PQL
E qualifier = Estimated Result > Highest Calibration Standard

Analyst

Approved

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun22\
Data File : 0500005.D
Acq On : 22 Jun 2008 10:12 pm
Operator : KEY
Sample : Ned Spring, 08-1650, M, 0620081649,
Misc : Water, 1xdil, Marathon
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 22 22:30:31 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56
:12 2008
QLast Update : Wed Jun 11 16:56:12 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorbenzene	4.26	96	8162562	69.90	ug	0.00
40) chlorobenzene-d5	9.34	54	4473141+	69.90	ug	0.00
64) 1,4-dichlorobenzene-d4	13.71	154	3043537+	69.90	ug	0.00
System Monitoring Compounds						
22) dibromofluoromethane	2.91	113	4661926+	64.91	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 92.86%			
25) 1,2 dichloroethane-d4	3.34	104	2110097+	71.19	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 101.85%			
36) toluene-d8	6.91	100	4813984	66.88	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 95.68%			
55) 4-bromofluorobenzene	11.75	174	4662832+	66.05	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 94.49%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.95	85	1107	0.02	ug #	53
3) chloromethane	0.00	50	0	N.D.		
4) vinyl chloride	0.00	62	0	N.D.		
5) acetone	1.49	58	191601+	8.73	ug #	83
6) diethyl ether	0.00	74	0+	N.D.		
7) bromomethane	0.00	94	0	N.D.		
8) chloroethane	0.00	64	0	N.D.		
9) trichlorofluoromethane	0.00	101	0	N.D.		
10) 1,1-dichloroethene	0.00	96	0	N.D.		
11) methylene chloride	1.71	84	3480	0.11	ug #	70
12) 1,1,2-trichlorotrifluoroet	0.00	151	0+	N.D.		
13) allyl chloride	0.00	78	0+	N.D.		
14) trans 1,2-dichloroethene	0.00	96	0	N.D.		
15) [MTBE] tert-butylmethyl et	0.00	73	0	N.D.		
16) 1,1-dichloroethane	0.00	63	0	N.D.		
17) [MEK] 2-butanone	0.00	72	0+	N.D.		
18) cis 1,2-dichloroethene	2.57	96	1174	0.03	ug #	4
19) 2,2-dichloropropane	2.92	77	4125+	0.05	ug	68
20) bromochloromethane	0.00	128	0+	N.D.		
21) chloroform (trichlorometha	0.00	83	0	N.D.		
23) tetrahydrofruan	3.11	71	24107+	1.45	ug	98
24) 1,1,1-trichloroethane	0.00	97	0+	N.D.		
26) 1,2 dichloroethane	0.00	62	0	N.D.		
27) 1,1-dichloropropene	0.00	75	0	N.D.		
28) benzene	3.97	78	18840	0.15	ug	99
29) carbon tetrachloride	0.00	117	0+	N.D.		
30) trichloroethene	4.76	130	1611+	0.02	ug	1
31) 1,2-dichloropropane	0.00	63	0	N.D.		
32) dibromomethane	0.00	174	0	N.D.		
33) bromodichloromethane	0.00	83	0	N.D.		
34) cis 1,3-dichloropropene	0.00	75	0	N.D.		
35) [MIBK] 4-methyl-2-pentanon	0.00	58	0+	N.D.		
37) toluene	7.01	92	36397	0.44	ug	97
38) trans 1,3-dichloropropene	0.00	75	0	N.D.		
39) 1,1,2-trichloroethane	0.00	83	0	N.D.		
41) 1,3-dichloropropane	0.00	76	0	N.D.		
42) dibromochloromethane	0.00	129	0	N.D.		
43) tetrachloroethene	0.00	166	0+	N.D.		

Data Path : C:\MSDChem\1\DATA_0806jun22\
Data File : 0500005.D
Acq On : 22 Jun 2008 10:12 pm
Operator : KEY
Sample : Ned Spring, 08-1650, M, 0620081649,
Misc : Water, 1xdil, Marathon
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 22 22:30:31 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56
:12 2008
QLast Update : Wed Jun 11 16:56:12 2008
Response via : Initial Calibration

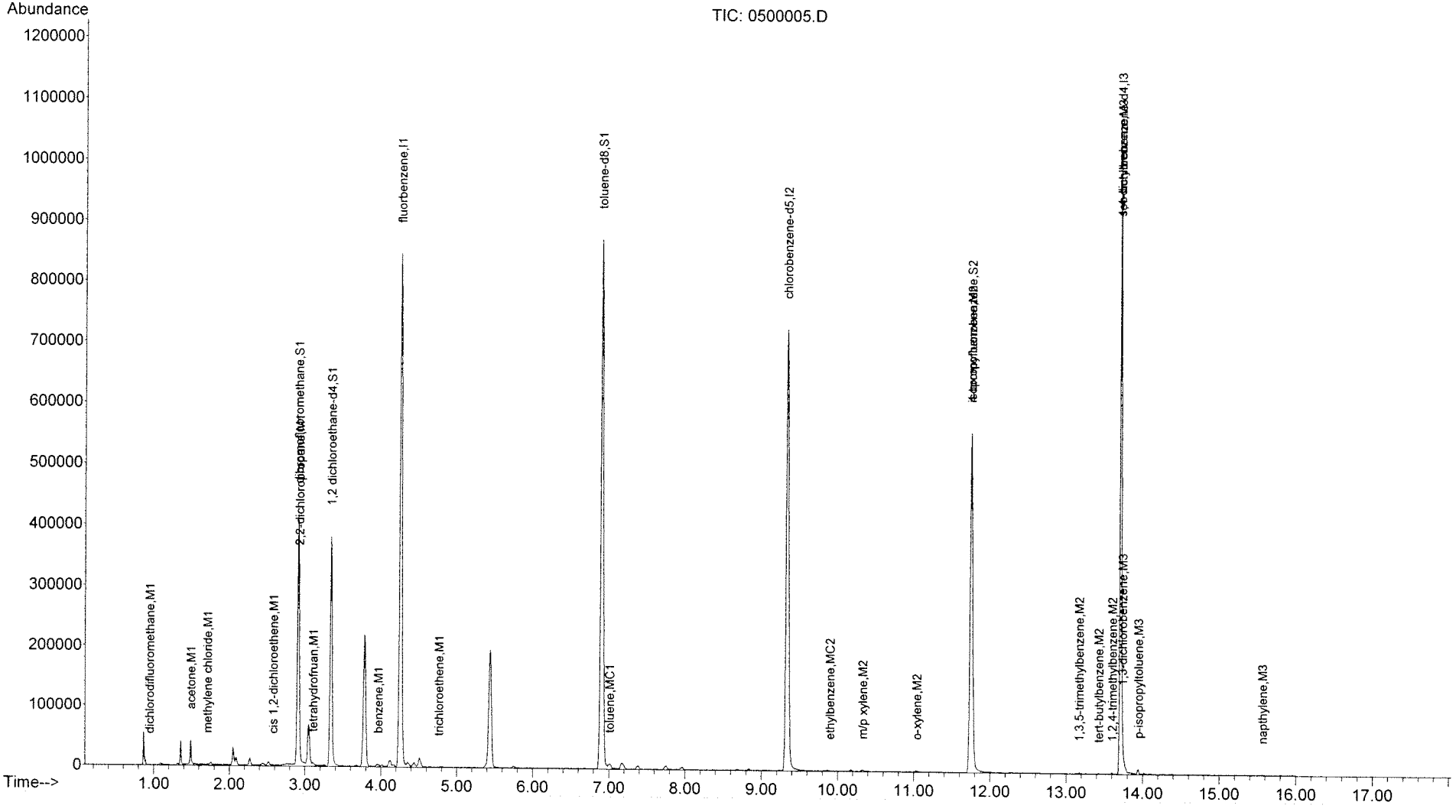
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
44) 1,2-dibromoethane	0.00	107	0	N.D.		
45) chlorobenzene	0.00	112	0	N.D.		
46) 1,1,1,2-tetrachloroethane	0.00	131	0+	N.D.		
47) ethylbenzene	9.90	91	6751+	0.03 ug		62
48) m/p xylene	10.33	91	27903	0.24 ug	#	85
49) styrene	0.00	104	0	N.D.		
50) o-xylene	11.04	91	10628	0.09 ug	#	80
51) bromoform	0.00	173	0	N.D.		
52) 1,1,2,2-tetrachloroethane	0.00	83	0+	N.D.		
53) isopropylbenzene	11.74	105	4103	0.03 ug	#	1
54) 1,2,3-trichloropropane	0.00	75	0	N.D.		
56) bromobenzene	0.00	156	0	N.D.		
57) 2-chlorotoluene	0.00	126	0	N.D.		
58) n-propylbenzene	0.00	120	0	N.D.		
59) 4-chlorotoluene	0.00	126	0	N.D.		
60) 1,3,5-trimethylbenzene	13.17	105	17721	0.15 ug	#	82
61) tert-butylbenzene	13.42	119	1772	0.02 ug	#	23
62) 1,2,4-trimethylbenzene	13.60	105	12772	0.11 ug	#	83
63) 1.2-dibromo-3-chloropropan	0.00	157	0	N.D.		
65) 1,3-dichlorobenzene	13.74	146	1387	0.02 ug	#	1
66) p-isopropyltoluene	13.94	119	2180	0.02 ug	#	1
67) sec-butylbenzene	13.70	105	3630	0.03 ug	#	1
68) 1,4-dichlorobenzene	0.00	146	0	N.D.		
69) 1,2-dichlorobenzene	0.00	146	0	N.D.		
70) n-butylbenzene	0.00	91	0	N.D.		
71) 1,2,4-trichlorobenzene	0.00	180	0+	N.D.		
72) hexachlorobutadiene	0.00	225	0+	N.D.		
73) napthylene	15.56	128	8584	0.11 ug	#	71
74) 1,2,3-trichlorobenzene	0.00	180	0+	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun22\
Data File : 0500005.D
Acq On : 22 Jun 2008 10:12 pm
Operator : KEY
Sample : Ned Spring, 08-1650, M, 0620081649,
Misc : Water, 1xdil, Marathon
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 22 22:30:31 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56:12 2008
QLast Update : Wed Jun 11 16:56:12 2008
Response via : Initial Calibration



KEY LABORATORIES, INC.

2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil**
Client Project Name : **Ned Spring DUP**

Lab QC Batch Sample : **08-1650, Ned Spring**
Key Lab # : **08-1650**
Work Order # : **0620081649**
Date Recieved : **06/20/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 0600006.D
Date Analyzed : 22 Jun 2008 10:46 pm
Data File Path : C:\MSDCHEM\1\DATA_0806JUN22\
Lab Sample Information : Water, 1xdil, Marathon
Lab Sample Number : **Ned Spring, 08-1650, MD, 0620081649,**

Client Sample Number : **Ned Spring**
Sampling Date : **6/20/2008**
Sampling Time : **14:35**
Sample Matrix : **Water**
Sampler : **Adell**

Reported==>> x DF = 1

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc	RDL	Qual	MQL
75-71-8	M1	**dichlorodifluoromethane**	x	1955	0.04	2	ug	1.	<	2.		480
74-87-3	MP1	**chloromethane**	x	0	0.00	2	ug	1.	<	2.		480
75-01-4	MC1	**vinyl chloride**	x	0	0.00	2	ug	1.	<	2.		480
67-64-1	M1	**acetone**	x	171793	7.81	6.85	ug	1.	**7.8 ug/L**	6.85	J	480
60-29-7	M1	**diethyl ether**	x	0	0.00	2	ug	1.	<	2.		480
74-83-9	M1	**bromomethane**	x	1065	0.04	2	ug	1.	<	2.		480
75-00-3	M1	**chloroethane**	x	0	0.00	2	ug	1.	<	2.		480
75-69-4	M1	**trichlorofluoromethane**	x	0	0.00	1	ug	1.	<	1.		480
75-35-4	MC1	**1,1-dichloroethene**	x	0	0.00	1	ug	1.	<	1.		480
75-09-2	M1	**methylene chloride**	x	2546	0.08	1	ug	1.	<	1.		480
76-13-1	M1	**1,1,2-trichlorotrifluoroethane**	x	0	0.00	1	ug	1.	<	1.		480
107-05-1	M1	**allyl chloride**	x	0	0.00	1	ug	1.	<	1.		480
156-60-5	M1	**trans 1,2-dichloroethene**	x	0	0.00	1	ug	1.	<	1.		480
1634-04-4	M1	**[MTBE] tert-butylmethyl ether**	x	0	0.00	1	ug	1.	<	1.		480
75-34-3	MP1	**1,1-dichloroethane**	x	0	0.00	1	ug	1.	<	1.		480
78-93-3	M1	**[MEK] 2-butanone**	x	0	0.00	4	ug	1.	<	4.		480
156-59-4	M1	**cis 1,2-dichloroethene**	x	0	0.00	1	ug	1.	<	1.		480
590-20-7	M1	**2,2-dichloropropane**	x	0	0.00	1	ug	1.	<	1.		480
74-97-5	M1	**bromochloromethane**	x	0	0.00	1	ug	1.	<	1.		480
67-66-3	MC1	**chloroform (trichloromethane)**	x	0	0.00	1	ug	1.	<	1.		480
109-99-9	M1	**tetrahydrofruan**	x	15344	0.92	4	ug	1.	<	4.		480
71-55-6	M1	**1,1,1-trichloroethane**	x	0	0.00	1	ug	1.	<	1.		480
107-06-2	M1	**1,2 dichloroethane**	x	0	0.00	1	ug	1.	<	1.		480
563-58-6	M1	**1,1-dichloropropene**	x	0	0.00	1	ug	1.	<	1.		480
71-43-2	M1	**benzene**	x	22764	0.18	1	ug	1.	<	1.		480
56-26-5	M1	**carbon tetrachloride**	x	0	0.00	1	ug	1.	<	1.		480
79-01-6	M1	**trichloroethene**	x	0	0.00	1	ug	1.	<	1.		480
78-87-5	MC1	**1,2-dichloropropane**	x	0	0.00	1	ug	1.	<	1.		480
74-95-3	M1	**dibromomethane**	x	0	0.00	1	ug	1.	<	1.		480
75-27-4	M1	**bromodichloromethane**	x	0	0.00	1	ug	1.	<	1.		480
10061-01-5	M1	**cis 1,3-dichloropropene**	x	0	0.00	1	ug	1.	<	1.		480
108-10-1	M1	**[MIBK] 4-methyl-2-pentanone**	x	0	0.00	1	ug	1.	<	1.		480
108-88-3	MC1	**toluene**	x	32791	0.40	2	ug	1.	<	2.		480
10061-02-6	M1	**trans 1,3-dichloropropene**	x	0	0.00	1	ug	1.	<	1.		480
79-00-5	M1	**1,1,2-trichloroethane**	x	0	0.00	1	ug	1.	<	1.		480
142-28-9	M2	**1,3-dichloropropane**	x	0	0.00	1	ug	1.	<	1.		480
124-48-1	M2	**dibromochloromethane**	x	0	0.00	1	ug	1.	<	1.		480
127-18-4	M2	**tetrachloroethene**	x	0	0.00	1	ug	1.	<	1.		480
106-93-4	M2	**1,2-dibromoethane**	x	0	0.00	1	ug	1.	<	1.		480
108-90-7	MP2	**chlorobenzene**	x	0	0.00	1	ug	1.	<	1.		480
630-20-6	M2	**1,1,1,2-tetrachloroethane**	x	0	0.00	1	ug	1.	<	1.		480
100-41-4	MC2	**ethylbenzene**	x	6518	0.03	1	ug	1.	<	1.		480
	M2	**m/p xylene**	x	28779	0.25	1	ug	1.	<	1.		960
100-42-5	M2	**styrene**	x	0	0.00	1	ug	1.	<	1.		480
95-47-6	M2	**o-xylene**	x	10155	0.09	1	ug	1.	<	1.		480
75-25-2	MP2	**bromoform**	x	0	0.00	1	ug	1.	<	1.		480
79-34-5	MP2	**1,1,2,2-tetrachloroethane**	x	0	0.00	1	ug	1.	<	1.		480
98-82-8	M2	**isopropylbenzene**	x	0	0.00	1	ug	1.	<	1.		480
96-18-4	M2	**1,2,3-trichloropropane**	x	0	0.00	1	ug	1.	<	1.		480
108-86-1	M2	**bromobenzene**	x	0	0.00	1	ug	1.	<	1.		480
95-49-8	M2	**2-chlorotoluene**	x	0	0.00	1	ug	1.	<	1.		480
103-65-1	M2	**n-propylbenzene**	x	0	0.00	1	ug	1.	<	1.		480

KEY LABORATORIES, INC.
2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil**
Client Project Name : **Ned Spring DUP**

Client Sample Number : **Ned Spring**

Lab QC Batch Sample : **08-1650, Ned Spring**
Key Lab # : **08-1650**
Work Order # : **0620081649**
Date Recieved : **06/20/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 0600006.D
Date Analyzed : 22 Jun 2008 10:46 pm
Data File Path : C:\MSDCHEM\1\DATA_0806JUN22\
Lab Sample Information : Water, 1xdil, Marathon
Lab Sample Number : **Ned Spring, 08-1650, MD, 0620081649,**

Sampling Date : **6/20/2008**
Sampling Time : **14:35**
Sample Matrix : **Water**
Sampler : **Adell**

Reported==>> **x** **DF = 1**

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc		RDL	Qual	MQL
106-43-4	M2	**4-chlorotoluene**	x	0	0.00	1	ug	1.	<	1.			480
108-67-8	M2	**1,3,5-trimethylbenzene**	x	16339	0.14	1	ug	1.	<	1.			480
98-06-6	M2	**tert-butylbenzene**	x	0	0.00	1	ug	1.	<	1.			480
95-63-6	M2	**1,2,4-trimethylbenzene**	x	12624	0.11	1	ug	1.	<	1.			480
96-12-8	M2	**1.2-dibromo-3-chloropropane**	x	0	0.00	1	ug	1.	<	1.			480
541-73-1	M3	**1,3-dichlorobenzene**	x	0	0.00	1	ug	1.	<	1.			480
99-87-6	M3	**p-isopropyltoluene**	x	3965	0.04	1	ug	1.	<	1.			480
135-98-8	M3	**sec-butylbenzene**	x	12621	0.10	1	ug	1.	<	1.			480
106-46-7	M3	**1,4-dichlorobenzene**	x	0	0.00	1	ug	1.	<	1.			480
95-50-1	M3	**1,2-dichlorobenzene**	x	0	0.00	1	ug	1.	<	1.			480
104-51-8	M3	**n-butylbenzene**	x	0	0.00	1	ug	1.	<	1.			480
87-61-6	M3	**1,2,4-trichlorobenzene**	x	0	0.00	2	ug	1.	<	2.			480
87-68-3	M3	**hexachlorobutadiene**	x	0	0.00	2	ug	1.	<	2.			480
91-20-3	M3	**napthylene**	x	6219	0.08	2	ug	1.	<	2.			480
120-82-1	M3	**1,2,3-trichlorobenzene**	x	0	0.00	2	ug	1.	<	2.			480

CAS#	Type	System Monitoring Compounds	Resp.	Amt.	Area%	Units	Water Limits		r Limits	Soil Limits		Spike	%Rec
1868-53-7	S1	**dibromofluoromethane**	4626375	64.26	**89**	ug	5211326	65 -	135	50 -	150	69.9	**91.9**
17060-07-0	M1	**1,2 dichloroethane-d4**	2081878	70.08	**97**	ug	2150224	65 -	135	50 -	150	69.9	**100.3**
2037-26-5	S1	**toluene-d8**	4807578	66.64	**91**	ug	5285330	65 -	135	50 -	150	69.9	**95.3**
460-00-4	S2	**4-bromofluorobenzene**	4579663	66.72	**83**	ug	5531588	65 -	135	50 -	150	69.9	**95.5**

CAS#	Type	Internal Stanard Compounds	Resp.	Amt.	Area%	Units		Spike
462-06-6	I1	**fluorbenzene**	8181175	69.90	**96**	ug	8484018	69.9
3114-55-4	I2	**chlorobenzene-d5**	4349013	69.90	**86**	ug	5060990	69.9
3855-82-1	I3	**1,4-dichlorobenzene-d4**	2899464	69.90	**74**	ug	3894374	69.9

MDL = Method Detection Limit
PQL = Practical Quantition Limit = 4 x MDL
RDL = Reporting Detection Limit = MDL x Dilution Factor
MQL = Maximum Quantitation Limit = 110% x DF x Highest Calibration Standard

Reporting basis is Kg for solids and L for liquids

J qualifier = MDL < Result < PQL
E qualifier = Estimated Result > Highest Calibration Standard

Analyst

Approved

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun22\
Data File : 0600006.D
Acq On : 22 Jun 2008 10:46 pm
Operator : KEY
Sample : Ned Spring, 08-1650, MD, 0620081649,
Misc : Water, 1xdil, Marathon
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 22 23:04:09 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56
:12 2008
QLast Update : Wed Jun 11 16:56:12 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorbenzene	4.26	96	8181175	69.90	ug	0.00
40) chlorobenzene-d5	9.34	54	4349013+	69.90	ug	0.00
64) 1,4-dichlorobenzene-d4	13.71	154	2899464+	69.90	ug	0.00
System Monitoring Compounds						
22) dibromofluoromethane	2.92	113	4626375+	64.26	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 91.93%			
25) 1,2 dichloroethane-d4	3.35	104	2081878+	70.08	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 100.26%			
36) toluene-d8	6.91	100	4807578	66.64	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 95.34%			
55) 4-bromofluorobenzene	11.75	174	4579663+	66.72	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 95.45%			

Target Compounds						Qvalue
2) dichlorodifluoromethane	0.96	85	1955	0.04 ug	#	53
3) chloromethane	0.00	50	0	N.D.		
4) vinyl chloride	0.00	62	0	N.D.		
5) acetone	1.50	58	171793+	7.81 ug	#	81
6) diethyl ether	0.00	74	0+	N.D.		
7) bromomethane	1.14	94	1065	0.04 ug	#	34
8) chloroethane	0.00	64	0	N.D.		
9) trichlorofluoromethane	0.00	101	0	N.D.		
10) 1,1-dichloroethene	0.00	96	0	N.D.		
11) methylene chloride	1.72	84	2546	0.08 ug	#	84
12) 1,1,2-trichlorotrifluoroet	0.00	151	0+	N.D.		
13) allyl chloride	0.00	78	0+	N.D.		
14) trans 1,2-dichloroethene	0.00	96	0	N.D.		
15) [MTBE] tert-butylmethyl et	0.00	73	0	N.D.		
16) 1,1-dichloroethane	0.00	63	0	N.D.		
17) [MEK] 2-butanone	0.00	72	0+	N.D.		
18) cis 1,2-dichloroethene	0.00	96	0	N.D.		
19) 2,2-dichloropropane	0.00	77	0+	N.D.		
20) bromochloromethane	0.00	128	0+	N.D.		
21) chloroform (trichlorometha	0.00	83	0	N.D.		
23) tetrahydrofruan	3.12	71	15344+	0.92 ug		96
24) 1,1,1-trichloroethane	0.00	97	0+	N.D.		
26) 1,2 dichloroethane	0.00	62	0	N.D.		
27) 1,1-dichloropropene	0.00	75	0	N.D.		
28) benzene	3.97	78	22764	0.18 ug		96
29) carbon tetrachloride	0.00	117	0+	N.D.		
30) trichloroethene	0.00	130	0+	N.D.		
31) 1,2-dichloropropane	0.00	63	0	N.D.		
32) dibromomethane	0.00	174	0	N.D.		
33) bromodichloromethane	0.00	83	0	N.D.		
34) cis 1,3-dichloropropene	0.00	75	0	N.D.		
35) [MIBK] 4-methyl-2-pentanon	0.00	58	0+	N.D.		
37) toluene	7.03	92	32791	0.40 ug		97
38) trans 1,3-dichloropropene	0.00	75	0	N.D.		
39) 1,1,2-trichloroethane	0.00	83	0	N.D.		
41) 1,3-dichloropropane	0.00	76	0	N.D.		
42) dibromochloromethane	0.00	129	0	N.D.		
43) tetrachloroethene	0.00	166	0+	N.D.		

Data Path : C:\MSDChem\1\DATA_0806jun22\
Data File : 0600006.D
Acq On : 22 Jun 2008 10:46 pm
Operator : KEY
Sample : Ned Spring, 08-1650, MD, 0620081649,
Misc : Water, 1xdil, Marathon
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 22 23:04:09 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56:12 2008
QLast Update : Wed Jun 11 16:56:12 2008
Response via : Initial Calibration

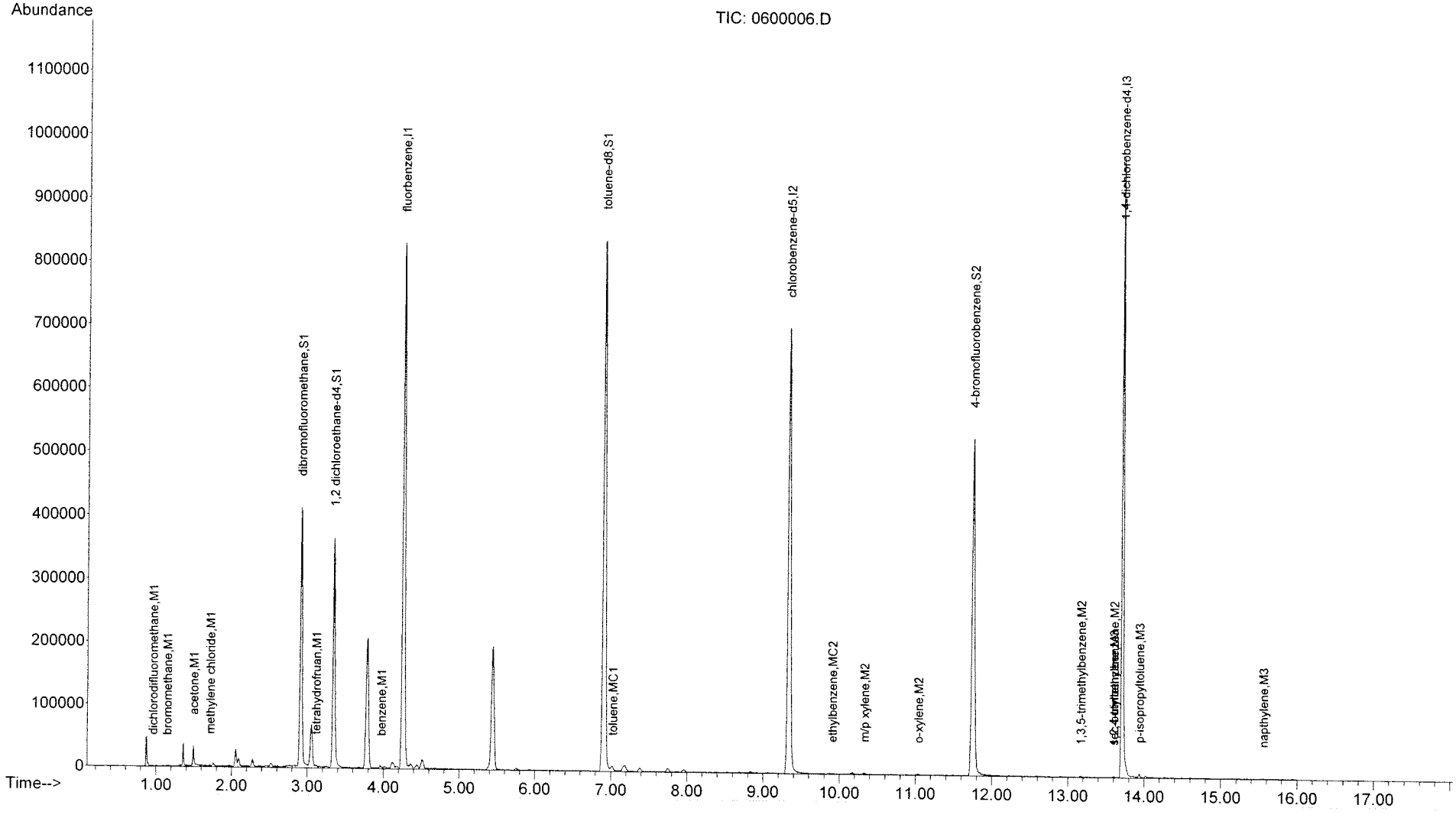
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 1,2-dibromoethane	0.00	107	0	N.D.			
45) chlorobenzene	0.00	112	0	N.D.			
46) 1,1,1,2-tetrachloroethane	0.00	131	0+	N.D.			
47) ethylbenzene	9.91	91	6518+	0.03	ug		62
48) m/p xylene	10.33	91	28779	0.25	ug	#	74
49) styrene	0.00	104	0	N.D.			
50) o-xylene	11.04	91	10155	0.09	ug	#	49
51) bromoform	0.00	173	0	N.D.			
52) 1,1,2,2-tetrachloroethane	0.00	83	0+	N.D.			
53) isopropylbenzene	0.00	105	0	N.D.			
54) 1,2,3-trichloropropane	0.00	75	0	N.D.			
56) bromobenzene	0.00	156	0	N.D.			
57) 2-chlorotoluene	0.00	126	0	N.D.			
58) n-propylbenzene	0.00	120	0	N.D.			
59) 4-chlorotoluene	0.00	126	0	N.D.			
60) 1,3,5-trimethylbenzene	13.17	105	16339	0.14	ug		88
61) tert-butylbenzene	0.00	119	0	N.D.			
62) 1,2,4-trimethylbenzene	13.60	105	12624	0.11	ug		87
63) 1.2-dibromo-3-chloropropan	0.00	157	0	N.D.			
65) 1,3-dichlorobenzene	0.00	146	0	N.D.			
66) p-isopropyltoluene	13.94	119	3965	0.04	ug	#	1
67) sec-butylbenzene	13.60	105	12621	0.10	ug	#	36
68) 1,4-dichlorobenzene	0.00	146	0	N.D.			
69) 1,2-dichlorobenzene	0.00	146	0	N.D.			
70) n-butylbenzene	0.00	91	0	N.D.			
71) 1,2,4-trichlorobenzene	0.00	180	0+	N.D.			
72) hexachlorobutadiene	0.00	225	0+	N.D.			
73) napthylene	15.57	128	6219	0.08	ug	#	71
74) 1,2,3-trichlorobenzene	0.00	180	0+	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun22\
Data File : 0600006.D
Acq On : 22 Jun 2008 10:46 pm
Operator : KEY
Sample : Ned Spring, 08-1650, MD, 0620081649,
Misc : Water, 1xdil, Marathon
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 22 23:04:09 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56:12 2008
QLast Update : Wed Jun 11 16:56:12 2008
Response via : Initial Calibration



Spike Recovery and RPD Summary Report - WATER

Method Path : C:\MSDCHEM\1\5973N\
Method File : 4VRX8260.M
Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56:12 2008
Last Update : Wed Jun 11 16:56:12 2008
Response Via : Initial Calibration

Datafile Path: C:\MSDCHEM\1\DATA_0806JUN22\

------Sample-------
File : 0600006.D
Name : Ned Spring, 08-1650, MD, 0620081649, Acq Time: 22 Jun 2008 10:46 pm

------Spike--------
File : 0700007.D
Name : Ned Spring, 08-1650, MS, 0620081649, Acq Time: 22 Jun 2008 11:21 pm

--Spike Duplicate--
File : 0800008.D
Name : Ned Spring, 08-1650, MSD, 0620081649, Acq Time: 22 Jun 2008 11:57 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
dichlorodifluorometh	0.0	40	41	41	101	101	0	30	65-135
chloromethane	0.0	40	40	42	100	104	4	30	65-135
vinyl chloride	0.0	40	42	43	104	108	3	30	65-135
acetone	7.8	40	46	47	96	97	1	30	65-135
diethyl ether	0.0	40	46	43	114	108	6	30	65-135
bromomethane	0.0	40	44	45	111	112	1	30	65-135
chloroethane	0.0	40	42	44	105	109	4	30	65-135
trichlorofluorometha	0.0	40	45	46	112	115	2	30	65-135
1,1-dichloroethene	0.0	40	41	42	103	106	3	30	65-135
methylene chloride	0.1	40	42	43	104	109	4	30	65-135
1,1,2-trichlorotrifl	0.0	40	46	44	116	109	6	30	65-135
allyl chloride	0.0	40	45	45	112	112	0	30	65-135
trans 1,2-dichloroet	0.0	40	41	43	102	107	5	30	65-135
[MTBE] tert-butylmet	0.0	40	42	40	106	101	5	30	65-135
1,1-dichloroethane	0.0	40	43	45	109	113	4	30	65-135
[MEK] 2-butanone	0.0	40	38	37	95	93	2	30	65-135
cis 1,2-dichloroethe	0.0	40	40	42	101	105	4	30	65-135
2,2-dichloropropane	0.0	40	29	34	74	84	14	30	65-135
bromochloromethane	0.0	40	43	44	108	111	3	30	65-135
chloroform (trichlor	0.0	40	39	39	98	97	1	30	65-135
tetrahydrofruan	0.9	40	39	37	95	91	5	30	65-135
1,1,1-trichloroethan	0.0	40	37	39	93	97	4	30	65-135
1,2 dichloroethane	0.0	40	42	43	104	107	2	30	65-135
1,1-dichloropropene	0.0	40	42	42	104	106	2	30	65-135
benzene	0.2	40	41	42	102	104	2	30	65-135
carbon tetrachloride	0.0	40	36	37	89	92	4	30	65-135
trichloroethene	0.0	40	40	42	101	104	3	30	65-135
1,2-dichloropropane	0.0	40	40	40	101	101	0	30	65-135
dibromomethane	0.0	40	39	40	98	99	1	30	65-135
bromodichloromethane	0.0	40	36	35	89	88	1	30	65-135
cis 1,3-dichloroprop	0.0	40	33	34	83	85	2	30	65-135
[MIBK] 4-methyl-2-pe	0.0	40	39	37	98	92	6	30	65-135
toluene	0.4	40	40	40	98	99	1	30	65-135
trans 1,3-dichloropr	0.0	40	30	30	75	74	2	30	65-135
1,1,2-trichloroethan	0.0	40	40	40	101	101	0	30	65-135
1,3-dichloropropane	0.0	40	42	44	105	110	4	30	65-135
dibromochloromethane	0.0	40	34	33	85	82	4	30	65-135
tetrachloroethene	0.0	40	42	44	105	111	5	30	65-135
1,2-dibromoethane	0.0	40	40	41	101	103	2	30	65-135
chlorobenzene	0.0	40	41	44	103	110	6	30	65-135
1,1,1,2-tetrachloroe	0.0	40	37	37	93	93	0	30	65-135
ethylbenzene	0.0	40	42	44	104	109	5	30	65-135

m/p xylene	0.3	80	84	84	105	105	0	30	65-135
styrene	0.0	40	39	42	99	104	5	30	65-135
o-xylene	0.1	40	42	44	105	110	4	30	65-135
bromoform	0.0	40	30	28	74	70	7	30	65-135
1,1,2,2-tetrachloroe	0.0	40	40	41	100	103	3	30	65-135
isopropylbenzene	0.0	40	42	44	105	109	4	30	65-135
1,2,3-trichloropropa	0.0	40	41	43	102	107	5	30	65-135
bromobenzene	0.0	40	40	43	101	107	5	30	65-135
2-chlorotoluene	0.0	40	41	44	103	110	6	30	65-135
n-propylbenzene	0.0	40	41	42	103	106	3	30	65-135
4-chlorotoluene	0.0	40	40	42	100	105	4	30	65-135
1,3,5-trimethylbenze	0.1	40	41	43	102	108	5	30	65-135
tert-butylbenzene	0.0	40	42	44	105	110	5	30	65-135
1,2,4-trimethylbenze	0.1	40	40	37	100	92	7	30	65-135
1.2-dibromo-3-chloro	0.0	40	32	29	80	73	9	30	65-135
1,3-dichlorobenzene	0.0	40	40	42	100	104	4	30	65-135
p-isopropyltoluene	0.0	40	41	41	101	103	2	30	65-135
sec-butylbenzene	0.1	40	43	42	106	106	0	30	65-135
1,4-dichlorobenzene	0.0	40	40	41	100	102	2	30	65-135
1,2-dichlorobenzene	0.0	40	41	41	102	102	0	30	65-135
n-butylbenzene	0.0	40	40	40	101	101	1	30	65-135
1,2,4-trichlorobenze	0.0	40	37	37	92	93	1	30	65-135
hexachlorobutadiene	0.0	40	41	41	103	103	0	30	65-135
napthylene	0.1	40	36	36	89	91	2	30	65-135
1,2,3-trichlorobenze	0.0	40	38	39	95	98	2	30	65-135

- Fails Limit Check

4VRX8260.M Mon Jun 23 07:59:46 2008

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun22\
Data File : 0700007.D
Acq On : 22 Jun 2008 11:21 pm
Operator : KEY
Sample : Ned Spring, 08-1650, MS, 0620081649,
Misc : Water, 1xdil, Marathon
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 22 23:39:54 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56:12 2008
QLast Update : Wed Jun 11 16:56:12 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorbenzene	4.26	96	7948672	69.90	ug		0.00
40) chlorobenzene-d5	9.34	54	4437626+	69.90	ug		0.00
64) 1,4-dichlorobenzene-d4	13.71	154	3331387+	69.90	ug		0.00
System Monitoring Compounds							
22) dibromofluoromethane	2.92	113	4691627+	67.08	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 95.97%				
25) 1,2 dichloroethane-d4	3.35	104	2009140+	69.61	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 99.59%				
36) toluene-d8	6.91	100	4740511	67.63	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 96.75%				
55) 4-bromofluorobenzene	11.75	174	4804921+	68.61	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 98.15%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.96	85	1952338	40.53	ug		99
3) chloromethane	1.02	50	1532183	40.14	ug		99
4) vinyl chloride	1.08	62	1637306	41.78	ug	#	97
5) acetone	1.50	58	991428+	46.40	ug		97
6) diethyl ether	1.54	74	2286782+	45.52	ug		97
7) bromomethane	1.20	94	1119529	44.35	ug		98
8) chloroethane	1.25	64	844529	42.15	ug		98
9) trichlorofluoromethane	1.44	101	2733066	44.95	ug		99
10) 1,1-dichloroethene	1.65	96	1220417	41.16	ug		94
11) methylene chloride	1.71	84	1320705	41.58	ug		96
12) 1,1,2-trichlorotrifluoroet	1.75	151	4479268+	46.46	ug		99
13) allyl chloride	1.76	78	2932875+	44.79	ug		99
14) trans 1,2-dichloroethene	2.06	96	1341847	40.85	ug		96
15) [MTBE] tert-butylmethyl et	2.15	73	3255546	42.29	ug		97
16) 1,1-dichloroethane	2.21	63	2318967	43.41	ug		99
17) [MEK] 2-butanone	2.56	72	1173572+	37.97	ug		98
18) cis 1,2-dichloroethene	2.63	96	1377251	40.32	ug		98
19) 2,2-dichloropropane	2.86	77	2312471+	29.49	ug		91
20) bromochloromethane	2.75	128	1737752+	43.10	ug		92
21) chloroform (trichlorometha	2.81	83	2616303	39.17	ug		99
23) tetrahydrofruan	3.11	71	631505+	39.02	ug		96
24) 1,1,1-trichloroethane	3.51	97	3489879+	37.01	ug		99
26) 1,2 dichloroethane	3.43	62	1954836	41.79	ug		100
27) 1,1-dichloropropene	3.74	75	2054549	41.66	ug		98
28) benzene	3.96	78	5109355	41.08	ug		99
29) carbon tetrachloride	3.90	117	3631992+	35.51	ug		99
30) trichloroethene	4.79	130	2967021+	40.39	ug		97
31) 1,2-dichloropropane	4.72	63	1250765	40.46	ug		99
32) dibromomethane	4.64	174	897219	39.29	ug		94
33) bromodichloromethane	4.84	83	1612724	35.75	ug		99
34) cis 1,3-dichloropropene	5.83	75	1548705	33.30	ug		97
35) [MIBK] 4-methyl-2-pentanon	6.14	58	1875626+	39.07	ug		100
37) toluene	7.02	92	3172874	39.79	ug		99
38) trans 1,3-dichloropropene	6.56	75	1228776	30.12	ug		99
39) 1,1,2-trichloroethane	6.71	83	954759	40.29	ug		99
41) 1,3-dichloropropane	7.12	76	1864454	42.11	ug		100
42) dibromochloromethane	7.42	129	1101750	34.08	ug		97
43) tetrachloroethene	8.18	166	2815817+	42.04	ug		100

Data Path : C:\MSDChem\1\DATA_0806jun22\
Data File : 0700007.D
Acq On : 22 Jun 2008 11:21 pm
Operator : KEY
Sample : Ned Spring, 08-1650, MS, 0620081649,
Misc : Water, 1xdil, Marathon
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 22 23:39:54 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56
:12 2008
QLast Update : Wed Jun 11 16:56:12 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 1,2-dibromoethane	7.80	107	1186534	40.40	ug		99
45) chlorobenzene	9.39	112	3520516	41.20	ug		96
46) 1,1,1,2-tetrachloroethane	9.28	131	2318220+	37.35	ug		100
47) ethylbenzene	9.90	91	8045403+	41.66	ug		100
48) m/p xylene	10.33	91	9744031	83.88	ug		100
49) styrene	10.91	104	3350853	39.49	ug		99
50) o-xylene	11.04	91	5016540	42.26	ug		99
51) bromoform	10.20	173	636014	29.78	ug		98
52) 1,1,2,2-tetrachloroethane	11.01	83	2337675+	40.01	ug		99
53) isopropylbenzene	11.80	105	6093842	42.08	ug		99
54) 1,2,3-trichloropropane	11.28	75	1049557	40.71	ug		99
56) bromobenzene	12.02	156	1571215	40.48	ug		98
57) 2-chlorotoluene	12.66	126	1461233	41.38	ug		99
58) n-propylbenzene	12.64	120	1495265	41.01	ug		100
59) 4-chlorotoluene	12.80	126	1399387	40.13	ug		99
60) 1,3,5-trimethylbenzene	13.17	105	4770510	40.99	ug		100
61) tert-butylbenzene	13.43	119	4272095	41.98	ug		99
62) 1,2,4-trimethylbenzene	13.60	105	4626453	39.93	ug		99
63) 1.2-dibromo-3-chloropropan	14.50	157	225225	31.87	ug		99
65) 1,3-dichlorobenzene	13.65	146	2731311	39.98	ug		98
66) p-isopropyltoluene	13.93	119	4885896	40.51	ug		100
67) sec-butylbenzene	13.68	105	6448335	42.54	ug	#	97
68) 1,4-dichlorobenzene	13.74	146	2773976	40.01	ug		99
69) 1,2-dichlorobenzene	14.08	146	2648189	40.65	ug		98
70) n-butylbenzene	14.31	91	4690841	40.47	ug		100
71) 1,2,4-trichlorobenzene	15.43	180	3030396+	36.80	ug		100
72) hexachlorobutadiene	15.63	225	2092394+	41.13	ug		99
73) napthylene	15.56	128	3168014	35.84	ug	#	100
74) 1,2,3-trichlorobenzene	15.67	180	2953882+	38.18	ug		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun22\
Data File : 0800008.D
Acq On : 22 Jun 2008 11:57 pm
Operator : KEY
Sample : Ned Spring, 08-1650, MSD, 0620081649,
Misc : Water, 1xdil, Marathon
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 23 00:15:41 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56
:12 2008
QLast Update : Wed Jun 11 16:56:12 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorbenzene	4.26	96	8118636	69.90	ug		0.00
40) chlorobenzene-d5	9.34	54	4390135+	69.90	ug		0.00
64) 1,4-dichlorobenzene-d4	13.71	154	3383235+	69.90	ug		0.00
System Monitoring Compounds							
22) dibromofluoromethane	2.92	113	4771956+	66.80	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 95.57%				
25) 1,2 dichloroethane-d4	3.35	104	2047280+	69.44	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 99.34%				
36) toluene-d8	6.91	100	4877180	68.12	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 97.45%				
55) 4-bromofluorobenzene	11.75	174	4953098+	71.49	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 102.27%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.96	85	1999367	40.64	ug		99
3) chloromethane	1.02	50	1625922	41.71	ug		100
4) vinyl chloride	1.08	62	1721797	43.02	ug	#	99
5) acetone	1.50	58	1019533+	46.72	ug		97
6) diethyl ether	1.54	74	2208727+	43.04	ug		97
7) bromomethane	1.20	94	1155087	44.81	ug		96
8) chloroethane	1.25	64	893848	43.68	ug		98
9) trichlorofluoromethane	1.44	101	2849770	45.89	ug		100
10) 1,1-dichloroethene	1.65	96	1281131	42.30	ug		95
11) methylene chloride	1.71	84	1410909	43.49	ug		96
12) 1,1,2-trichlorotrifluoroet	1.75	151	4303355+	43.70	ug		99
13) allyl chloride	1.76	78	2996611+	44.80	ug		99
14) trans 1,2-dichloroethene	2.06	96	1434604	42.76	ug		99
15) [MTBE] tert-butylmethyl et	2.15	73	3173548	40.36	ug		98
16) 1,1-dichloroethane	2.21	63	2468301	45.24	ug		99
17) [MEK] 2-butanone	2.56	72	1173480+	37.17	ug	#	98
18) cis 1,2-dichloroethene	2.63	96	1463730	41.96	ug		97
19) 2,2-dichloropropane	2.86	77	2706894+	33.80	ug		99
20) bromochloromethane	2.75	128	1830420+	44.45	ug		92
21) chloroform (trichlorometha	2.81	83	2639074	38.68	ug		100
23) tetrahydrofruan	3.12	71	616546+	37.29	ug		96
24) 1,1,1-trichloroethane	3.51	97	3722370+	38.65	ug		99
26) 1,2 dichloroethane	3.43	62	2041551	42.73	ug		99
27) 1,1-dichloropropene	3.74	75	2130385	42.29	ug		99
28) benzene	3.97	78	5319988	41.88	ug		98
29) carbon tetrachloride	3.90	117	3853631+	36.89	ug		99
30) trichloroethene	4.79	130	3127156+	41.68	ug		98
31) 1,2-dichloropropane	4.72	63	1277984	40.47	ug		100
32) dibromomethane	4.64	174	924282	39.63	ug		95
33) bromodichloromethane	4.84	83	1624427	35.26	ug		99
34) cis 1,3-dichloropropene	5.83	75	1609469	33.89	ug		99
35) [MIBK] 4-methyl-2-pentanon	6.14	58	1799706+	36.71	ug		99
37) toluene	7.02	92	3260573	40.03	ug		100
38) trans 1,3-dichloropropene	6.56	75	1234206	29.62	ug		99
39) 1,1,2-trichloroethane	6.72	83	976330	40.34	ug		97
41) 1,3-dichloropropane	7.12	76	1921075	43.86	ug		98
42) dibromochloromethane	7.43	129	1049765	32.82	ug		99
43) tetrachloroethene	8.18	166	2931637+	44.24	ug		99

Data Path : C:\MSDChem\1\DATA_0806jun22\
Data File : 0800008.D
Acq On : 22 Jun 2008 11:57 pm
Operator : KEY
Sample : Ned Spring, 08-1650, MSD, 0620081649,
Misc : Water, 1xdil, Marathon
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 23 00:15:41 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56
:12 2008
QLast Update : Wed Jun 11 16:56:12 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 1,2-dibromoethane	7.80	107	1201438	41.35	ug		98
45) chlorobenzene	9.39	112	3713317	43.93	ug		98
46) 1,1,1,2-tetrachloroethane	9.28	131	2283718+	37.19	ug		100
47) ethylbenzene	9.90	91	8368855+	43.80	ug		100
48) m/p xylene	10.33	91	9666036	84.10	ug		99
49) styrene	10.91	104	3493606	41.61	ug		99
50) o-xylene	11.04	91	5187635	44.18	ug		99
51) bromoform	10.20	173	587546	27.81	ug		98
52) 1,1,2,2-tetrachloroethane	11.01	83	2375165+	41.09	ug		100
53) isopropylbenzene	11.80	105	6269013	43.76	ug	#	48
54) 1,2,3-trichloropropane	11.28	75	1091772	42.81	ug		99
56) bromobenzene	12.02	156	1642265	42.77	ug		98
57) 2-chlorotoluene	12.66	126	1541542	44.13	ug		96
58) n-propylbenzene	12.64	120	1528398	42.37	ug		99
59) 4-chlorotoluene	12.80	126	1447389	41.95	ug		100
60) 1,3,5-trimethylbenzene	13.17	105	4976793	43.22	ug		100
61) tert-butylbenzene	13.43	119	4439092	44.09	ug		99
62) 1,2,4-trimethylbenzene	13.60	105	4247477	37.06	ug		100
63) 1.2-dibromo-3-chloropropan	14.50	157	203971	29.17	ug		98
65) 1,3-dichlorobenzene	13.65	146	2891114	41.67	ug		98
66) p-isopropyltoluene	13.93	119	5042814	41.17	ug		99
67) sec-butylbenzene	13.68	105	6541988	42.50	ug	#	98
68) 1,4-dichlorobenzene	13.74	146	2876353	40.86	ug		99
69) 1,2-dichlorobenzene	14.08	146	2702046	40.84	ug		100
70) n-butylbenzene	14.31	91	4733542	40.21	ug		99
71) 1,2,4-trichlorobenzene	15.43	180	3120192+	37.31	ug		99
72) hexachlorobutadiene	15.63	225	2128802+	41.21	ug		100
73) napthylene	15.56	128	3275218	36.48	ug	#	99
74) 1,2,3-trichlorobenzene	15.67	180	3071146+	39.09	ug		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

KEY LABORATORIES, INC.

2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil**
Client Project Name : **Ned Spring**

Lab QC Batch Sample : **08-1650, Ned Spring**
Key Lab # : **08-0001**
Work Order # : **0101080000**
Date Recieved : **06/20/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 0101001.D
Date Analyzed : 22 Jun 2008 7:31 pm
Data File Path : C:\MSDCHEM\1\DATA_0806JUN22\
Lab Sample Information : 1uL #377 + 5uL #372
Lab Sample Number : **CC 8260 40ppb, 08-0001, 0101080000,**

Client Sample Number : **Continuing Calibration Check**

Sampling Date : **6/20/2008**
Sampling Time :
Sample Matrix : **water**
Sampler : **Adell**

Reported==>> x DF = 1

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc	RDL	Qual	MQL	Spike	%Rec
75-71-8	M1	**dichlorodifluoromethane**	x	2096500	40.59	2	ug	1.	**41 ug/L**	2.		480	40.	**101.5**
74-87-3	MP1	**chloromethane**	x	1615356	39.47	2	ug	1.	**39 ug/L**	2.		480	40.	**98.7**
75-01-4	MC1	**vinyl chloride**	x	1771196	42.15	2	ug	1.	**42 ug/L**	2.		480	40.	**105.4**
67-64-1	M1	**acetone**	x	637207	27.81	4	ug	1.	**28 ug/L**	4.		480	40.	**69.5**
60-29-7	M1	**diethyl ether**	x	2358245	43.77	2	ug	1.	**44 ug/L**	2.		480	40.	**109.4**
74-83-9	M1	**bromomethane**	x	1205687	44.55	2	ug	1.	**45 ug/L**	2.		480	40.	**111.4**
75-00-3	M1	**chloroethane**	x	952012	44.31	2	ug	1.	**44 ug/L**	2.		480	40.	**110.8**
75-69-4	M1	**trichlorofluoromethane**	x	3009158	46.16	1	ug	1.	**46 ug/L**	1.		480	40.	**115.4**
75-35-4	MC1	**1,1-dichloroethene**	x	1353484	42.57	1	ug	1.	**43 ug/L**	1.		480	40.	**106.4**
75-09-2	M1	**methylene chloride**	x	1460228	42.87	1	ug	1.	**43 ug/L**	1.		480	40.	**107.2**
76-13-1	M1	**1,1,2-trichlorotrifluoroethane**	x	4808367	46.51	1	ug	1.	**47 ug/L**	1.		480	40.	**116.3**
107-05-1	M1	**allyl chloride**	x	3356930	47.80	1	ug	1.	**48 ug/L**	1.		480	40.	**119.5**
156-60-5	M1	**trans 1,2-dichloroethene**	x	1506430	42.77	1	ug	1.	**43 ug/L**	1.		480	40.	**106.9**
1634-04-4	M1	**[MTBE] tert-butylmethyl ether**	x	3581840	43.39	1	ug	1.	**43 ug/L**	1.		480	40.	**108.5**
75-34-3	MP1	**1,1-dichloroethane**	x	2549541	44.51	1	ug	1.	**45 ug/L**	1.		480	40.	**111.3**
78-93-3	M1	**[MEK] 2-butanone**	x	856406	25.84	4	ug	1.	**26 ug/L**	4.		480	40.	**64.6**
156-59-4	M1	**cis 1,2-dichloroethene**	x	1528573	41.73	1	ug	1.	**42 ug/L**	1.		480	40.	**104.3**
590-20-7	M1	**2,2-dichloropropane**	x	2979279	35.43	1	ug	1.	**35 ug/L**	1.		480	40.	**88.6**
74-97-5	M1	**bromochloromethane**	x	1859528	43.01	1	ug	1.	**43 ug/L**	1.		480	40.	**107.5**
67-66-3	MC1	**chloroform (trichloromethane)**	x	2873831	40.12	1.5	ug	1.	**40 ug/L**	1.5		480	40.	**100.3**
109-99-9	M1	**tetrahydrofruan**	x	1374912	79.22	4	ug	1.	**79 ug/L**	4.		480	40.	**198.0**
71-55-6	M1	**1,1,1-trichloroethane**	x	4098166	40.53	1	ug	1.	**41 ug/L**	1.		480	40.	**101.3**
107-06-2	M1	**1,2 dichloroethane**	x	2180657	43.47	1	ug	1.	**43 ug/L**	1.		480	40.	**108.7**
563-58-6	M1	**1,1-dichloropropene**	x	2299624	43.48	1	ug	1.	**43 ug/L**	1.		480	40.	**108.7**
71-43-2	M1	**benzene**	x	5607634	42.05	1	ug	1.	**42 ug/L**	1.		480	40.	**105.1**
56-26-5	M1	**carbon tetrachloride**	x	4355675	39.72	1	ug	1.	**40 ug/L**	1.		480	40.	**99.3**
79-01-6	M1	**trichloroethene**	x	3270064	41.51	1	ug	1.	**42 ug/L**	1.		480	40.	**103.8**
78-87-5	MC1	**1,2-dichloropropane**	x	1389761	41.92	1	ug	1.	**42 ug/L**	1.		480	40.	**104.8**
74-95-3	M1	**dibromomethane**	x	970967	39.65	1	ug	1.	**40 ug/L**	1.		480	40.	**99.1**
75-27-4	M1	**bromodichloromethane**	x	1891296	39.10	1	ug	1.	**39 ug/L**	1.		480	40.	**97.8**
10061-01-5	M1	**cis 1,3-dichloropropene**	x	1855698	37.21	1	ug	1.	**37 ug/L**	1.		480	40.	**93.0**
108-10-1	M1	**[MIBK] 4-methyl-2-pentanone**	x	2004295	38.94	1	ug	1.	**39 ug/L**	1.		480	40.	**97.3**
108-88-3	MC1	**toluene**	x	3488644	40.80	2	ug	1.	**41 ug/L**	2.		480	40.	**102.0**
10061-02-6	M1	**trans 1,3-dichloropropene**	x	1521532	34.78	1	ug	1.	**35 ug/L**	1.		480	40.	**86.9**
79-00-5	M1	**1,1,2-trichloroethane**	x	1020713	40.17	1	ug	1.	**40 ug/L**	1.		480	40.	**100.4**
142-28-9	M2	**1,3-dichloropropane**	x	2000296	42.27	1	ug	1.	**42 ug/L**	1.		480	40.	**105.7**
124-48-1	M2	**dibromochloromethane**	x	1344118	38.90	1	ug	1.	**39 ug/L**	1.		480	40.	**97.2**
127-18-4	M2	**tetrachloroethene**	x	3193714	44.61	1	ug	1.	**45 ug/L**	1.		480	40.	**111.5**
106-93-4	M2	**1,2-dibromoethane**	x	1291935	41.15	1	ug	1.	**41 ug/L**	1.		480	40.	**102.9**
108-90-7	MP2	**chlorobenzene**	x	3936502	43.10	1	ug	1.	**43 ug/L**	1.		480	40.	**107.8**
630-20-6	M2	**1,1,1,2-tetrachloroethane**	x	2729732	41.15	1	ug	1.	**41 ug/L**	1.		480	40.	**102.9**
100-41-4	MC2	**ethylbenzene**	x	8894022	43.09	1	ug	1.	**43 ug/L**	1.		480	40.	**107.7**
	M2	**m/p xylene**	x	10822150	87.16	1	ug	1.	**87 ug/L**	1.		960	80.	**108.9**
100-42-5	M2	**styrene**	x	3764035	41.50	1	ug	1.	**41 ug/L**	1.		480	40.	**103.7**
95-47-6	M2	**o-xylene**	x	5509212	43.42	1	ug	1.	**43 ug/L**	1.		480	40.	**108.6**
75-25-2	MP2	**bromoform**	x	797704	34.95	1	ug	1.	**35 ug/L**	1.		480	40.	**87.4**
79-34-5	MP2	**1,1,2,2-tetrachloroethane**	x	2507977	40.16	1	ug	1.	**40 ug/L**	1.		480	40.	**100.4**
98-82-8	M2	**isopropylbenzene**	x	6709253	43.35	1	ug	1.	**43 ug/L**	1.		480	40.	**108.4**
96-18-4	M2	**1,2,3-trichloropropane**	x	1130897	41.04	1	ug	1.	**41 ug/L**	1.		480	40.	**102.6**
108-86-1	M2	**bromobenzene**	x	1761676	42.46	1	ug	1.	**42 ug/L**	1.		480	40.	**106.2**
95-49-8	M2	**2-chlorotoluene**	x	1641638	43.49	1	ug	1.	**43 ug/L**	1.		480	40.	**108.7**
103-65-1	M2	**n-propylbenzene**	x	1682196	43.16	1	ug	1.	**43 ug/L**	1.		480	40.	**107.9**

KEY LABORATORIES, INC.

2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil**
Client Project Name : **Ned Spring**

Client Sample Number : **Continuing Calibration Check**

Sampling Date : **6/20/2008**
Sampling Time :
Sample Matrix : **water**
Sampler : **Adell**

Lab QC Batch Sample : **08-1650, Ned Spring**
Key Lab # : **08-0001**
Work Order # : **0101080000**
Date Recieved : **06/20/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 0101001.D
Date Analyzed : 22 Jun 2008 7:31 pm
Data File Path : C:\MSDCHEM\1\DATA_0806JUN22\
Lab Sample Information : 1uL #377 + 5uL #372
Lab Sample Number : **CC 8260 40ppb, 08-0001, 0101080000,**

Reported==>> x DF = 1

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc	RDL	Qual	MQL	Spike	%Rec
106-43-4	M2	**4-chlorotoluene**	x	1585003	42.52	1	ug	1.	**43 ug/L**	1.		480	40.	**106.3**
108-67-8	M2	**1,3,5-trimethylbenzene**	x	5348919	42.99	1	ug	1.	**43 ug/L**	1.		480	40.	**107.5**
98-06-6	M2	**tert-butylbenzene**	x	4788469	44.02	1	ug	1.	**44 ug/L**	1.		480	40.	**110.1**
95-63-6	M2	**1,2,4-trimethylbenzene**	x	5297890	42.78	1	ug	1.	**43 ug/L**	1.		480	40.	**107.0**
96-12-8	M2	**1.2-dibromo-3-chloropropane**	x	279221	36.96	1	ug	1.	**37 ug/L**	1.		480	40.	**92.4**
541-73-1	M3	**1,3-dichlorobenzene**	x	3136113	42.34	1	ug	1.	**42 ug/L**	1.		480	40.	**105.9**
99-87-6	M3	**p-isopropyltoluene**	x	5555669	42.49	1	ug	1.	**42 ug/L**	1.		480	40.	**106.2**
135-98-8	M3	**sec-butylbenzene**	x	7205272	43.85	1	ug	1.	**44 ug/L**	1.		480	40.	**109.6**
106-46-7	M3	**1,4-dichlorobenzene**	x	3158405	42.02	1	ug	1.	**42 ug/L**	1.		480	40.	**105.1**
95-50-1	M3	**1,2-dichlorobenzene**	x	2967544	42.02	1	ug	1.	**42 ug/L**	1.		480	40.	**105.0**
104-51-8	M3	**n-butylbenzene**	x	5491839	43.70	1	ug	1.	**44 ug/L**	1.		480	40.	**109.2**
87-61-6	M3	**1,2,4-trichlorobenzene**	x	3917996	43.89	2	ug	1.	**44 ug/L**	2.		480	40.	**109.7**
87-68-3	M3	**hexachlorobutadiene**	x	2384233	43.23	2	ug	1.	**43 ug/L**	2.		480	40.	**108.1**
91-20-3	M3	**napthylene**	x	4071638	42.48	2	ug	1.	**42 ug/L**	2.		480	40.	**106.2**
120-82-1	M3	**1,2,3-trichlorobenzene**	x	3652340	43.55	2	ug	1.	**44 ug/L**	2.		480	40.	**108.9**

CAS#	Type	System Monitoring Compounds	Resp.	Amt.	Area%	Units		Water Limits	r Limits		Soil Limits	Spike	%Rec
1868-53-7	S1	**dibromofluoromethane**	5012640	66.83	**96**	ug	5211326	65 -	135	50 -	150	69.9	**95.6**
17060-07-0	M1	**1,2 dichloroethane-d4**	2127881	68.75	**99**	ug	2150224	65 -	135	50 -	150	69.9	**98.4**
2037-26-5	S1	**toluene-d8**	5096560	67.81	**96**	ug	5285330	65 -	135	50 -	150	69.9	**97.**
460-00-4	S2	**4-bromofluorobenzene**	5286522	70.62	**96**	ug	5531588	65 -	135	50 -	150	69.9	**101.**

CAS#	Type	Internal Stanard Compounds	Resp.	Amt.	Area%	Units		Spike
462-06-6	I1	**fluorbenzene**	8523477	69.90	**100**	ug	8484018	69.9
3114-55-4	I2	**chlorobenzene-d5**	4743158	69.90	**94**	ug	5060990	69.9
3855-82-1	I3	**1,4-dichlorobenzene-d4**	3611764	69.90	**93**	ug	3894374	69.9

MDL = Method Detection Limit
PQL = Practical Quantition Limit = 4 x MDL
RDL = Reporting Detection Limit = MDL x Dilution Factor
MQL = Maximum Quantitation Limit = 110% x DF x Highest Calibration Standard

Reporting basis is Kg for solids and L for liquids

J qualifier = MDL < Result < PQL
E qualifier = Estimated Result > Highest Calibration Standard

Analyst

Approved

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun22\
Data File : 0101001.D
Acq On : 22 Jun 2008 7:31 pm
Operator : KEY
Sample : CC 8260 40ppb, 08-0001, 0101080000,
Misc : 1uL #377 + 5uL #372
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 22 19:49:53 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56:12 2008
QLast Update : Wed Jun 11 16:56:12 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorbenzene	4.26	96	8523477	69.90	ug		0.00
40) chlorobenzene-d5	9.34	54	4743158+	69.90	ug		0.00
64) 1,4-dichlorobenzene-d4	13.71	154	3611764+	69.90	ug		0.00
System Monitoring Compounds							
22) dibromofluoromethane	2.92	113	5012640+	66.83	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 95.61%				
25) 1,2 dichloroethane-d4	3.35	104	2127881+	68.75	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 98.35%				
36) toluene-d8	6.91	100	5096560	67.81	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 97.01%				
55) 4-bromofluorobenzene	11.75	174	5286522+	70.62	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 101.03%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.96	85	2096500	40.59	ug		99
3) chloromethane	1.02	50	1615356	39.47	ug		98
4) vinyl chloride	1.07	62	1771196	42.15	ug	#	98
5) acetone	1.49	58	637207+	27.81	ug	#	94
6) diethyl ether	1.54	74	2358245+	43.77	ug		94
7) bromomethane	1.20	94	1205687	44.55	ug		97
8) chloroethane	1.25	64	952012	44.31	ug		99
9) trichlorofluoromethane	1.44	101	3009158	46.16	ug		99
10) 1,1-dichloroethene	1.65	96	1353484	42.57	ug		96
11) methylene chloride	1.71	84	1460228	42.87	ug		93
12) 1,1,2-trichlorotrifluoroet	1.75	151	4808367+	46.51	ug		99
13) allyl chloride	1.76	78	3356930+	47.80	ug		98
14) trans 1,2-dichloroethene	2.06	96	1506430	42.77	ug		99
15) [MTBE] tert-butylmethyl et	2.15	73	3581840	43.39	ug		98
16) 1,1-dichloroethane	2.21	63	2549541	44.51	ug		99
17) [MEK] 2-butanone	2.55	72	856406+	25.84	ug		99
18) cis 1,2-dichloroethene	2.63	96	1528573	41.73	ug		98
19) 2,2-dichloropropane	2.86	77	2979279+	35.43	ug		96
20) bromochloromethane	2.75	128	1859528+	43.01	ug		93
21) chloroform (trichlorometha	2.81	83	2873831	40.12	ug		98
23) tetrahydrofruan	3.11	71	1374912+	79.22	ug		98
24) 1,1,1-trichloroethane	3.51	97	4098166+	40.53	ug		100
26) 1,2 dichloroethane	3.43	62	2180657	43.47	ug		98
27) 1,1-dichloropropene	3.74	75	2299624	43.48	ug		98
28) benzene	3.97	78	5607634	42.05	ug		100
29) carbon tetrachloride	3.90	117	4355675+	39.72	ug		100
30) trichloroethene	4.79	130	3270064+	41.51	ug		97
31) 1,2-dichloropropane	4.72	63	1389761	41.92	ug		99
32) dibromomethane	4.64	174	970967	39.65	ug		95
33) bromodichloromethane	4.84	83	1891296	39.10	ug		99
34) cis 1,3-dichloropropene	5.83	75	1855698	37.21	ug		97
35) [MIBK] 4-methyl-2-pentanon	6.13	58	2004295+	38.94	ug		99
37) toluene	7.02	92	3488644	40.80	ug		100
38) trans 1,3-dichloropropene	6.56	75	1521532	34.78	ug		97
39) 1,1,2-trichloroethane	6.71	83	1020713	40.17	ug		97
41) 1,3-dichloropropane	7.12	76	2000296	42.27	ug		99
42) dibromochloromethane	7.42	129	1344118	38.90	ug		97
43) tetrachloroethene	8.19	166	3193714+	44.61	ug		99

Data Path : C:\MSDChem\1\DATA_0806jun22\
Data File : 0101001.D
Acq On : 22 Jun 2008 7:31 pm
Operator : KEY
Sample : CC 8260 40ppb, 08-0001, 0101080000,
Misc : 1uL #377 + 5uL #372
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 22 19:49:53 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56:12 2008
QLast Update : Wed Jun 11 16:56:12 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 1,2-dibromoethane	7.80	107	1291935	41.15	ug		98
45) chlorobenzene	9.39	112	3936502	43.10	ug		99
46) 1,1,1,2-tetrachloroethane	9.28	131	2729732+	41.15	ug		99
47) ethylbenzene	9.90	91	8894022+	43.09	ug		99
48) m/p xylene	10.33	91	10822150	87.16	ug		99
49) styrene	10.91	104	3764035	41.50	ug		99
50) o-xylene	11.04	91	5509212	43.42	ug		99
51) bromoform	10.20	173	797704	34.95	ug		97
52) 1,1,2,2-tetrachloroethane	11.01	83	2507977+	40.16	ug		99
53) isopropylbenzene	11.81	105	6709253	43.35	ug		98
54) 1,2,3-trichloropropane	11.28	75	1130897	41.04	ug		99
56) bromobenzene	12.02	156	1761676	42.46	ug		97
57) 2-chlorotoluene	12.66	126	1641638	43.49	ug		99
58) n-propylbenzene	12.64	120	1682196	43.16	ug		98
59) 4-chlorotoluene	12.81	126	1585003	42.52	ug		98
60) 1,3,5-trimethylbenzene	13.17	105	5348919	42.99	ug		99
61) tert-butylbenzene	13.43	119	4788469	44.02	ug		99
62) 1,2,4-trimethylbenzene	13.60	105	5297890	42.78	ug		99
63) 1.2-dibromo-3-chloropropan	14.50	157	279221	36.96	ug		94
65) 1,3-dichlorobenzene	13.65	146	3136113	42.34	ug		100
66) p-isopropyltoluene	13.93	119	5555669	42.49	ug		100
67) sec-butylbenzene	13.68	105	7205272	43.85	ug	#	98
68) 1,4-dichlorobenzene	13.74	146	3158405	42.02	ug		99
69) 1,2-dichlorobenzene	14.08	146	2967544	42.02	ug		98
70) n-butylbenzene	14.31	91	5491839	43.70	ug		100
71) 1,2,4-trichlorobenzene	15.43	180	3917996+	43.89	ug		100
72) hexachlorobutadiene	15.63	225	2384233+	43.23	ug		99
73) napthylene	15.56	128	4071638	42.48	ug	#	100
74) 1,2,3-trichlorobenzene	15.67	180	3652340+	43.55	ug		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA_0806jun22\
Data File : 0101001.D
Acq On : 22 Jun 2008 7:31 pm
Operator : KEY
Sample : CC 8260 40ppb, 08-0001, 0101080000,
Misc : 1uL #377 + 5uL #372
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 22 19:49:53 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56
:12 2008
QLast Update : Wed Jun 11 16:56:12 2008
Response via : Initial Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I1	fluorbenzene	1.000	1.000	0.0	100	0.00
2	M1	dichlorodifluoromethane	0.424	0.430	-1.4	93	0.00
3	MP1	chloromethane	0.336	0.331	1.5	88	0.00
4	MC1	vinyl chloride	0.345	0.363	-5.2	96	0.00
5	M1	acetone	0.188	0.131	30.3#	60	0.00
6	M1	diethyl ether	0.442	0.483	-9.3	99	0.00
7	M1	bromomethane	0.222	0.247	-11.3	105	0.00
8	M1	chloroethane	0.176	0.195	-10.8	100	0.00
9	M1	trichlorofluoromethane	0.535	0.617	-15.3	109	0.00
10	MC1	1,1-dichloroethene	0.261	0.277	-6.1	99	0.00
11	M1	methylene chloride	0.279	0.299	-7.2	98	0.00
12	M1	1,1,2-trichlorotrifluoroeth	0.848	0.986	-16.3	113	0.00
13	M1	allyl chloride	0.576	0.688	-19.4	106	0.00
14	M1	trans 1,2-dichloroethene	0.289	0.309	-6.9	98	0.00
15	M1	[MTBE] tert-butylmethyl eth	0.677	0.734	-8.4	100	0.00
16	MP1	1,1-dichloroethane	0.470	0.523	-11.3	102	0.00
17	M1	[MEK] 2-butanone	0.272	0.176	35.3#	57	0.00
18	M1	cis 1,2-dichloroethene	0.300	0.313	-4.3	97	0.00
19	M1	2,2-dichloropropane	0.690	0.611	11.4	85	0.00
20	M1	bromochloromethane	0.355	0.381	-7.3	100	0.00
21	MC1	chloroform (trichloromethan	0.587	0.589	-0.3	93	0.00
22	S1	dibromofluoromethane	0.615	0.588	4.4	96	0.00
23	M1	tetrahydrofruan	0.142	0.282	-98.6#	171#	0.00
24	M1	1,1,1-trichloroethane	0.829	0.840	-1.3	99	0.00
25	S1	1,2 dichloroethane-d4	0.254	0.250	1.6	97	0.00
26	M1	1,2 dichloroethane	0.411	0.447	-8.8	100	0.00
27	M1	1,1-dichloropropene	0.434	0.471	-8.5	103	0.00
28	M1	benzene	1.094	1.150	-5.1	98	0.00
29	M1	carbon tetrachloride	0.899	0.893	0.7	104	0.00
30	M1	trichloroethene	0.646	0.670	-3.7	97	0.00
31	MC1	1,2-dichloropropane	0.272	0.285	-4.8	100	0.00
32	M1	dibromomethane	0.201	0.199	1.0	93	0.00
33	M1	bromodichloromethane	0.397	0.388	2.3	104	0.00
34	M1	cis 1,3-dichloropropene	0.409	0.380	7.1	100	0.00
35	M1	[MIBK] 4-methyl-2-pentanone	0.422	0.411	2.6	90	0.00
36	S1	toluene-d8	0.616	0.598	2.9	97	0.00
37	MC1	toluene	0.701	0.715	-2.0	93	0.00
38	M1	trans 1,3-dichloropropene	0.359	0.312	13.1	100	0.00
39	M1	1,1,2-trichloroethane	0.208	0.209	-0.5	92	0.00
40	I2	chlorobenzene-d5	1.000	1.000	0.0	97	0.00
41	M2	1,3-dichloropropane	0.697	0.737	-5.7	94	0.00
42	M2	dibromochloromethane	0.509	0.495	2.8	104	0.00
43	M2	tetrachloroethene	1.055	1.177	-11.6	101	0.00
44	M2	1,2-dibromoethane	0.463	0.476	-2.8	93	0.00
45	MP2	chlorobenzene	1.346	1.450	-7.7	97	0.00
46	M2	1,1,1,2-tetrachloroethane	0.978	1.006	-2.9	101	0.00
47	MC2	ethylbenzene	3.042	3.277	-7.7	97	0.00
48	M2	m/p xylene	1.830	1.994	-9.0	97	0.00

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA_0806jun22\
Data File : 0101001.D
Acq On : 22 Jun 2008 7:31 pm
Operator : KEY
Sample : CC 8260 40ppb, 08-0001, 0101080000,
Misc : 1uL #377 + 5uL #372
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 22 19:49:53 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56
:12 2008
QLast Update : Wed Jun 11 16:56:12 2008
Response via : Initial Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 M2	styrene	1.337	1.387	-3.7	95	0.00
50 M2	o-xylene	1.870	2.030	-8.6	96	0.00
51 MP2	bromoform	0.336	0.294	12.5	100	0.00
52 MP2	1,1,2,2-tetrachloroethane	0.920	0.924	-0.4	90	0.00
53 M2	isopropylbenzene	2.281	2.472	-8.4	98	0.00
54 M2	1,2,3-trichloropropane	0.406	0.417	-2.7	90	0.00
55 S2	4-bromofluorobenzene	1.103	1.115	-1.1	96	0.00
56 M2	bromobenzene	0.611	0.649	-6.2	97	0.00
57 M2	2-chlorotoluene	0.556	0.605	-8.8	99	0.00
58 M2	n-propylbenzene	0.574	0.620	-8.0	99	0.00
59 M2	4-chlorotoluene	0.549	0.584	-6.4	97	0.00
60 M2	1,3,5-trimethylbenzene	1.833	1.971	-7.5	98	0.00
61 M2	tert-butylbenzene	1.603	1.764	-10.0	102	0.00
62 M2	1,2,4-trimethylbenzene	1.825	1.952	-7.0	98	0.00
63 M2	1.2-dibromo-3-chloropropane	0.111	0.103	7.2	96	0.00
64 I3	1,4-dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
65 M3	1,3-dichlorobenzene	1.433	1.517	-5.9	96	0.00
66 M3	p-isopropyltoluene	2.531	2.688	-6.2	100	0.00
67 M3	sec-butylbenzene	3.180	3.486	-9.6	101	0.00
68 M3	1,4-dichlorobenzene	1.455	1.528	-5.0	95	0.00
69 M3	1,2-dichlorobenzene	1.367	1.436	-5.0	96	0.00
70 M3	n-butylbenzene	2.432	2.657	-9.3	103	0.00
71 M3	1,2,4-trichlorobenzene	1.728	1.896	-9.7	107	0.00
72 M3	hexachlorobutadiene	1.067	1.154	-8.2	99	0.00
73 M3	napthylene	1.855	1.970	-6.2	106	0.00
74 M3	1,2,3-trichlorobenzene	1.623	1.767	-8.9	103	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

KEY LABORATORIES, INC.

2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil**
Client Project Name : **Ned Spring**

Lab QC Batch Sample : **08-1650, Ned Spring**
Key Lab # : **08-0002**
Work Order # : **0101080000**
Date Recieved : **06/20/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 0201002.D
Date Analyzed : 22 Jun 2008 8:32 pm
Data File Path : C:\MSDCHEM\1\DATA_0806JUN22\
Lab Sample Information : 5uL #372
Lab Sample Number : **Blank, 08-0002, 0101080000,**

Client Sample Number : **Blank**

Sampling Date : **6/20/2008**
Sampling Time :
Sample Matrix : **water**
Sampler : **Adell**

Reported==>> **x** **DF = 1**

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc		RDL	Qual	MQL
75-71-8	M1	**dichlorodifluoromethane**	x	3687	0.07	2	ug	1.		<	2.		480
74-87-3	MP1	**chloromethane**	x	2353	0.06	2	ug	1.		<	2.		480
75-01-4	MC1	**vinyl chloride**	x	0	0.00	2	ug	1.		<	2.		480
67-64-1	M1	**acetone**	x	63161	2.77	4	ug	1.		<	4.		480
60-29-7	M1	**diethyl ether**	x	0	0.00	2	ug	1.		<	2.		480
74-83-9	M1	**bromomethane**	x	0	0.00	2	ug	1.		<	2.		480
75-00-3	M1	**chloroethane**	x	0	0.00	2	ug	1.		<	2.		480
75-69-4	M1	**trichlorofluoromethane**	x	2875	0.04	1	ug	1.		<	1.		480
75-35-4	MC1	**1,1-dichloroethene**	x	0	0.00	1	ug	1.		<	1.		480
75-09-2	M1	**methylene chloride**	x	6943	0.21	1	ug	1.		<	1.		480
76-13-1	M1	**1,1,2-trichlorotrifluoroethane**	x	0	0.00	1	ug	1.		<	1.		480
107-05-1	M1	**allyl chloride**	x	5815	0.08	1	ug	1.		<	1.		480
156-60-5	M1	**trans 1,2-dichloroethene**	x	0	0.00	1	ug	1.		<	1.		480
1634-04-4	M1	**[MTBE] tert-butylmethyl ether**	x	0	0.00	1	ug	1.		<	1.		480
75-34-3	MP1	**1,1-dichloroethane**	x	0	0.00	1	ug	1.		<	1.		480
78-93-3	M1	**[MEK] 2-butanone**	x	0	0.00	4	ug	1.		<	4.		480
156-59-4	M1	**cis 1,2-dichloroethene**	x	0	0.00	1	ug	1.		<	1.		480
590-20-7	M1	**2,2-dichloropropane**	x	0	0.00	1	ug	1.		<	1.		480
74-97-5	M1	**bromochloromethane**	x	0	0.00	1	ug	1.		<	1.		480
67-66-3	MC1	**chloroform (trichloromethane)**	x	103862	1.46	1.5	ug	1.		<	1.5		480
109-99-9	M1	**tetrahydrofruan**	x	31315	1.81	4	ug	1.		<	4.		480
71-55-6	M1	**1,1,1-trichloroethane**	x	0	0.00	1	ug	1.		<	1.		480
107-06-2	M1	**1,2 dichloroethane**	x	0	0.00	1	ug	1.		<	1.		480
563-58-6	M1	**1,1-dichloropropene**	x	0	0.00	1	ug	1.		<	1.		480
71-43-2	M1	**benzene**	x	20931	0.16	1	ug	1.		<	1.		480
56-26-5	M1	**carbon tetrachloride**	x	0	0.00	1	ug	1.		<	1.		480
79-01-6	M1	**trichloroethene**	x	0	0.00	1	ug	1.		<	1.		480
78-87-5	MC1	**1,2-dichloropropane**	x	0	0.00	1	ug	1.		<	1.		480
74-95-3	M1	**dibromomethane**	x	0	0.00	1	ug	1.		<	1.		480
75-27-4	M1	**bromodichloromethane**	x	0	0.00	1	ug	1.		<	1.		480
10061-01-5	M1	**cis 1,3-dichloropropene**	x	0	0.00	1	ug	1.		<	1.		480
108-10-1	M1	**[MIBK] 4-methyl-2-pentanone**	x	0	0.00	1	ug	1.		<	1.		480
108-88-3	MC1	**toluene**	x	32454	0.38	2	ug	1.		<	2.		480
10061-02-6	M1	**trans 1,3-dichloropropene**	x	0	0.00	1	ug	1.		<	1.		480
79-00-5	M1	**1,1,2-trichloroethane**	x	0	0.00	1	ug	1.		<	1.		480
142-28-9	M2	**1,3-dichloropropane**	x	0	0.00	1	ug	1.		<	1.		480
124-48-1	M2	**dibromochloromethane**	x	0	0.00	1	ug	1.		<	1.		480
127-18-4	M2	**tetrachloroethene**	x	0	0.00	1	ug	1.		<	1.		480
106-93-4	M2	**1,2-dibromoethane**	x	0	0.00	1	ug	1.		<	1.		480
108-90-7	MP2	**chlorobenzene**	x	1059	0.01	1	ug	1.		<	1.		480
630-20-6	M2	**1,1,1,2-tetrachloroethane**	x	0	0.00	1	ug	1.		<	1.		480
100-41-4	MC2	**ethylbenzene**	x	5334	0.03	1	ug	1.		<	1.		480
	M2	**m/p xylene**	x	33846	0.28	1	ug	1.		<	1.		960
100-42-5	M2	**styrene**	x	0	0.00	1	ug	1.		<	1.		480
95-47-6	M2	**o-xylene**	x	15136	0.12	1	ug	1.		<	1.		480
75-25-2	MP2	**bromoform**	x	0	0.00	1	ug	1.		<	1.		480
79-34-5	MP2	**1,1,2,2-tetrachloroethane**	x	0	0.00	1	ug	1.		<	1.		480
98-82-8	M2	**isopropylbenzene**	x	3179	0.02	1	ug	1.		<	1.		480
96-18-4	M2	**1,2,3-trichloropropane**	x	0	0.00	1	ug	1.		<	1.		480
108-86-1	M2	**bromobenzene**	x	0	0.00	1	ug	1.		<	1.		480
95-49-8	M2	**2-chlorotoluene**	x	0	0.00	1	ug	1.		<	1.		480
103-65-1	M2	**n-propylbenzene**	x	0	0.00	1	ug	1.		<	1.		480

KEY LABORATORIES, INC.
2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil**
Client Project Name : **Ned Spring**

Lab QC Batch Sample : **08-1650, Ned Spring**
Key Lab # : **08-0002**
Work Order # : **0101080000**
Date Recieved : **06/20/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 0201002.D
Date Analyzed : 22 Jun 2008 8:32 pm
Data File Path : C:\MSDCHEM\1\DATA_0806JUN22\
Lab Sample Information : 5uL #372
Lab Sample Number : **Blank, 08-0002, 0101080000,**

Client Sample Number : **Blank**
Sampling Date : **6/20/2008**
Sampling Time :
Sample Matrix : **water**
Sampler : **Adell**

Reported==>> **x** **DF = 1**

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc		RDL	Qual	MQL
106-43-4	M2	**4-chlorotoluene**	x	0	0.00	1	ug	1.	<	1.			480
108-67-8	M2	**1,3,5-trimethylbenzene**	x	11043	0.09	1	ug	1.	<	1.			480
98-06-6	M2	**tert-butylbenzene**	x	3898	0.04	1	ug	1.	<	1.			480
95-63-6	M2	**1,2,4-trimethylbenzene**	x	18266	0.15	1	ug	1.	<	1.			480
96-12-8	M2	**1.2-dibromo-3-chloropropane**	x	0	0.00	1	ug	1.	<	1.			480
541-73-1	M3	**1,3-dichlorobenzene**	x	5051	0.08	1	ug	1.	<	1.			480
99-87-6	M3	**p-isopropyltoluene**	x	3365	0.03	1	ug	1.	<	1.			480
135-98-8	M3	**sec-butylbenzene**	x	6926	0.05	1	ug	1.	<	1.			480
106-46-7	M3	**1,4-dichlorobenzene**	x	6656	0.10	1	ug	1.	<	1.			480
95-50-1	M3	**1,2-dichlorobenzene**	x	4974	0.08	1	ug	1.	<	1.			480
104-51-8	M3	**n-butylbenzene**	x	3324	0.03	1	ug	1.	<	1.			480
87-61-6	M3	**1,2,4-trichlorobenzene**	x	6990	0.09	2	ug	1.	<	2.			480
87-68-3	M3	**hexachlorobutadiene**	x	3971	0.08	2	ug	1.	<	2.			480
91-20-3	M3	**napthylene**	x	22971	0.28	2	ug	1.	<	2.			480
120-82-1	M3	**1,2,3-trichlorobenzene**	x	7933	0.11	2	ug	1.	<	2.			480

CAS#	Type	System Monitoring Compounds	Resp.	Amt.	Area%	Units		Water Limits		r Limits		Soil Limits	Spike	%Rec
1868-53-7	S1	**dibromofluoromethane**	4894977	65.64	**94**	ug	5211326	65 -	135	50 -	150	69.9	**93.9**
17060-07-0	M1	**1,2 dichloroethane-d4**	2165497	70.37	**101**	ug	2150224	65 -	135	50 -	150	69.9	**100.7**
2037-26-5	S1	**toluene-d8**	5082390	68.01	**96**	ug	5285330	65 -	135	50 -	150	69.9	**97.3**
460-00-4	S2	**4-bromofluorobenzene**	4786767	65.68	**87**	ug	5531588	65 -	135	50 -	150	69.9	**94.**

CAS#	Type	Internal Stanard Compounds	Resp.	Amt.	Area%	Units		Spike
462-06-6	I1	**fluorbenzene**	8474150	69.90	**100**	ug	8484018	69.9
3114-55-4	I2	**chlorobenzene-d5**	4617942	69.90	**91**	ug	5060990	69.9
3855-82-1	I3	**1,4-dichlorobenzene-d4**	3088453	69.90	**79**	ug	3894374	69.9

MDL = Method Detection Limit
PQL = Practical Quantition Limit = 4 x MDL
RDL = Reporting Detection Limit = MDL x Dilution Factor
MQL = Maximum Quantitation Limit = 110% x DF x Highest Calibration Standard

Reporting basis is Kg for solids and L for liquids

J qualifier = MDL < Result < PQL
E qualifier = Estimated Result > Highest Calibration Standard

Analyst

Approved

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun22\
Data File : 0201002.D
Acq On : 22 Jun 2008 8:32 pm
Operator : KEY
Sample : Blank, 08-0002, 0101080000,
Misc : 5uL #372
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 22 20:50:46 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56
:12 2008
QLast Update : Wed Jun 11 16:56:12 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorbenzene	4.26	96	8474150	69.90	ug		0.00
40) chlorobenzene-d5	9.34	54	4617942+	69.90	ug		0.00
64) 1,4-dichlorobenzene-d4	13.71	154	3088453+	69.90	ug		0.00
System Monitoring Compounds							
22) dibromofluoromethane	2.91	113	4894977+	65.64	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 93.91%				
25) 1,2 dichloroethane-d4	3.35	104	2165497+	70.37	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 100.67%				
36) toluene-d8	6.91	100	5082390	68.01	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 97.30%				
55) 4-bromofluorobenzene	11.75	174	4786767+	65.68	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 93.96%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.96	85	3687	0.07	ug	#	53
3) chloromethane	1.02	50	2353	0.06	ug	#	42
4) vinyl chloride	0.00	62	0	N.D.			
5) acetone	1.49	58	63161+	2.77	ug	#	89
6) diethyl ether	0.00	74	0+	N.D.			
7) bromomethane	0.00	94	0	N.D.			
8) chloroethane	0.00	64	0	N.D.			
9) trichlorofluoromethane	1.44	101	2875	0.04	ug	#	31
10) 1,1-dichloroethene	0.00	96	0	N.D.			
11) methylene chloride	1.71	84	6943	0.21	ug		94
12) 1,1,2-trichlorotrifluoroet	0.00	151	0+	N.D.			
13) allyl chloride	1.71	78	5815+	0.08	ug		79
14) trans 1,2-dichloroethene	0.00	96	0	N.D.			
15) [MTBE] tert-butylmethyl et	0.00	73	0	N.D.			
16) 1,1-dichloroethane	0.00	63	0	N.D.			
17) [MEK] 2-butanone	0.00	72	0+	N.D.			
18) cis 1,2-dichloroethene	0.00	96	0	N.D.			
19) 2,2-dichloropropane	0.00	77	0+	N.D.			
20) bromochloromethane	0.00	128	0+	N.D.			
21) chloroform (trichlorometha	2.81	83	103862	1.46	ug		94
23) tetrahydrofruan	3.12	71	31315+	1.81	ug		91
24) 1,1,1-trichloroethane	0.00	97	0+	N.D.			
26) 1,2 dichloroethane	0.00	62	0	N.D.			
27) 1,1-dichloropropene	0.00	75	0	N.D.			
28) benzene	3.97	78	20931	0.16	ug	#	88
29) carbon tetrachloride	0.00	117	0+	N.D.			
30) trichloroethene	0.00	130	0+	N.D.			
31) 1,2-dichloropropane	0.00	63	0	N.D.			
32) dibromomethane	0.00	174	0	N.D.			
33) bromodichloromethane	0.00	83	0	N.D.			
34) cis 1,3-dichloropropene	0.00	75	0	N.D.			
35) [MIBK] 4-methyl-2-pentanon	0.00	58	0+	N.D.			
37) toluene	7.02	92	32454	0.38	ug		97
38) trans 1,3-dichloropropene	0.00	75	0	N.D.			
39) 1,1,2-trichloroethane	0.00	83	0	N.D.			
41) 1,3-dichloropropane	0.00	76	0	N.D.			
42) dibromochloromethane	0.00	129	0	N.D.			
43) tetrachloroethene	0.00	166	0+	N.D.			

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun22\
Data File : 0201002.D
Acq On : 22 Jun 2008 8:32 pm
Operator : KEY
Sample : Blank, 08-0002, 0101080000,
Misc : 5uL #372
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 22 20:50:46 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56
:12 2008
QLast Update : Wed Jun 11 16:56:12 2008
Response via : Initial Calibration

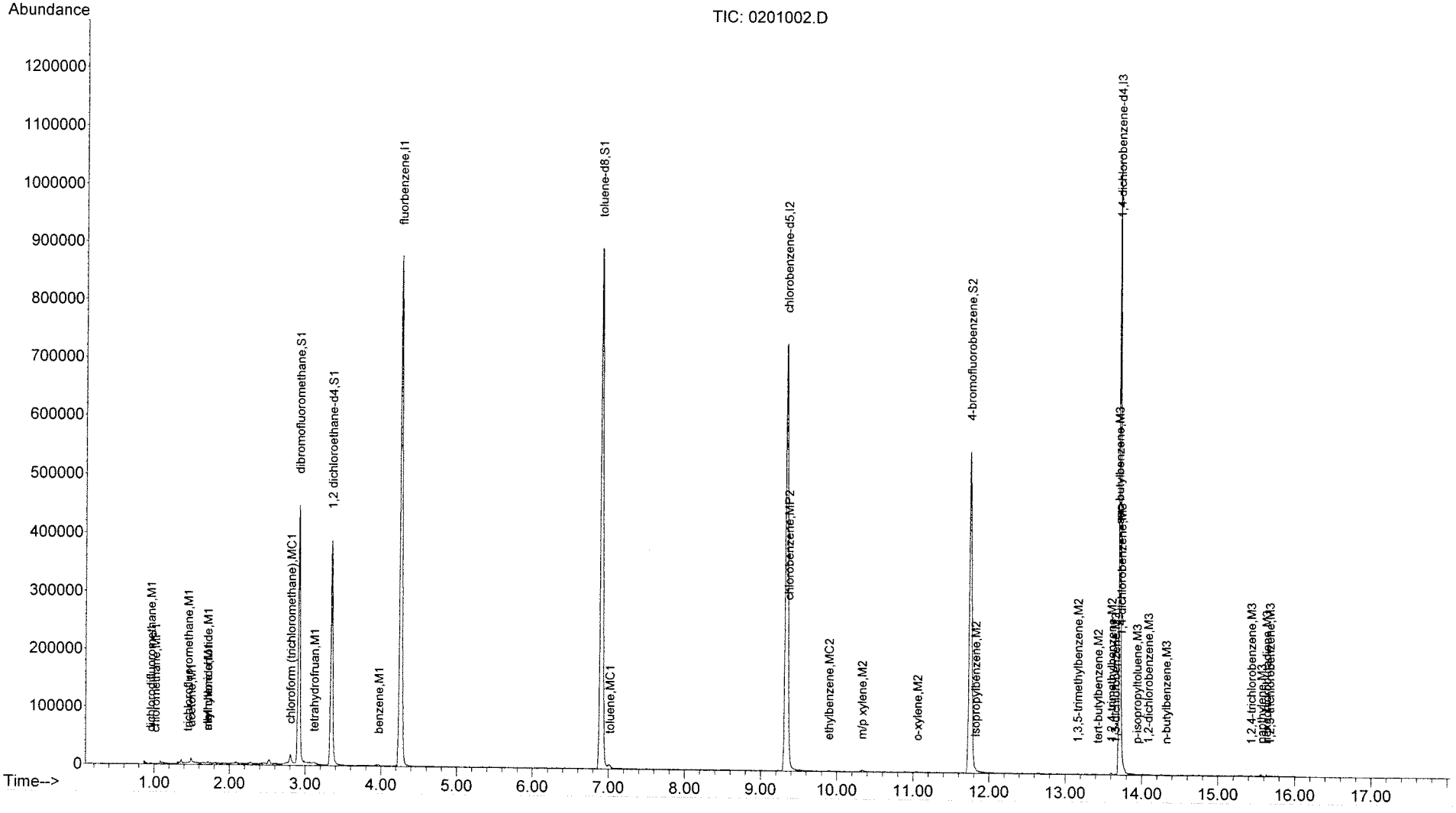
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 1,2-dibromoethane	0.00	107	0	N.D.			
45) chlorobenzene	9.37	112	1059	0.01	ug	#	1
46) 1,1,1,2-tetrachloroethane	0.00	131	0+	N.D.			
47) ethylbenzene	9.90	91	5334+	0.03	ug		62
48) m/p xylene	10.32	91	33846	0.28	ug	#	87
49) styrene	0.00	104	0	N.D.			
50) o-xylene	11.05	91	15136	0.12	ug	#	77
51) bromoform	0.00	173	0	N.D.			
52) 1,1,2,2-tetrachloroethane	0.00	83	0+	N.D.			
53) isopropylbenzene	11.82	105	3179	0.02	ug	#	1
54) 1,2,3-trichloropropane	0.00	75	0	N.D.			
56) bromobenzene	0.00	156	0	N.D.			
57) 2-chlorotoluene	0.00	126	0	N.D.			
58) n-propylbenzene	0.00	120	0	N.D.			
59) 4-chlorotoluene	0.00	126	0	N.D.			
60) 1,3,5-trimethylbenzene	13.17	105	11043	0.09	ug		98
61) tert-butylbenzene	13.43	119	3898	0.04	ug	#	23
62) 1,2,4-trimethylbenzene	13.60	105	18266	0.15	ug		96
63) 1.2-dibromo-3-chloropropan	0.00	157	0	N.D.			
65) 1,3-dichlorobenzene	13.66	146	5051	0.08	ug	#	25
66) p-isopropyltoluene	13.94	119	3365	0.03	ug	#	50
67) sec-butylbenzene	13.69	105	6926	0.05	ug	#	1
68) 1,4-dichlorobenzene	13.73	146	6656	0.10	ug	#	1
69) 1,2-dichlorobenzene	14.08	146	4974	0.08	ug	#	71
70) n-butylbenzene	14.32	91	3324	0.03	ug	#	33
71) 1,2,4-trichlorobenzene	15.43	180	6990+	0.09	ug		84
72) hexachlorobutadiene	15.64	225	3971+	0.08	ug		53
73) napthylene	15.56	128	22971	0.28	ug	#	75
74) 1,2,3-trichlorobenzene	15.67	180	7933+	0.11	ug		89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun22\
Data File : 0201002.D
Acq On : 22 Jun 2008 8:32 pm
Operator : KEY
Sample : Blank, 08-0002, 0101080000,
Misc : 5uL #372
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 22 20:50:46 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56:12 2008
QLast Update : Wed Jun 11 16:56:12 2008
Response via : Initial Calibration



KEY Laboratories, Inc.
2479 River Road, Unit A
Grand Junction, CO 81505
(970) 243-5311
Fax (970) 243-6010

CHAIN OF CUSTODY RECORD

0623081668

Proj. No.

Company Name Marathon
Phone # 245-5311
Fax #

SAMPLERS: *(Signature)* Adell K Heneghan

PRINT NAME: Adell K Heneghan

SAMPLE NO.	DATE	TIME	MATRIX	PROJECT NAME/ SAMPLE LOCATION	SAMPLE ANALYSES: 8260	CONTAINER/SIZE/TYPE	PRESERVATIVES	REMARKS	LABORATORY SAMPLE #
Creek	06/23	10:45	water	Creek below pond	X	g 2	Ice		1668
					TOTAL NO. OF CONTAINERS				

Relinquished by : *(Signature)*	Date / Time	Received by: *(Signature)*	Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*
Adell K Heneghan	06/23 / 1315				
Custody Seal No.		Custody Seal Present n Intact n	Date Required		
Method of Shipment:		Shipped by: *(Signature)*	Date Completed:	Received for Laboratory by: *(Signature)* Kastorling	Date / Time 6/23/08 / 1315

Distribution: Original Accompanies Shipment; Copy to Field Files
Form CC-01-6-92 Rev. 7/97

KEY LABORATORIES, INC.
2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil**
Client Project Name : **Creek Below Pond**

Client Sample Number : **Creek**

Sampling Date : **6/23/2008**
Sampling Time : **10:45**
Sample Matrix : **Water**
Sampler : **Adell**

Lab QC Batch Sample :
Key Lab # : **08-1668**
Work Order # : **0623081668**
Date Recieved : **06/23/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 2200021.D
Date Analyzed : 24 Jun 2008 12:11 pm
Data File Path : C:\MSDCHEM\1\DATA_0806JUN23\
Lab Sample Information : Water, 1xdil, Marathon, Creek Below Pond
Lab Sample Number : **Creek, 08-1668, 0623081668**

Reported==>> x DF = 1

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc		RDL	Qual	MQL
75-71-8	M1	**dichlorodifluoromethane**	x	2556	0.06	2	ug	1.	<	2.			480
74-87-3	MP1	**chloromethane**	x	0	0.00	2	ug	1.	<	2.			480
75-01-4	MC1	**vinyl chloride**	x	0	0.00	2	ug	1.	<	2.			480
67-64-1	M1	**acetone**	x	63563	3.38	4	ug	1.	<	4.			480
60-29-7	M1	**diethyl ether**	x	0	0.00	2	ug	1.	<	2.			480
74-83-9	M1	**bromomethane**	x	0	0.00	2	ug	1.	<	2.			480
75-00-3	M1	**chloroethane**	x	3304	0.19	2	ug	1.	<	2.			480
75-69-4	M1	**trichlorofluoromethane**	x	0	0.00	1	ug	1.	<	1.			480
75-35-4	MC1	**1,1-dichloroethene**	x	0	0.00	1	ug	1.	<	1.			480
75-09-2	M1	**methylene chloride**	x	4070	0.15	1	ug	1.	<	1.			480
76-13-1	M1	**1,1,2-trichlorotrifluoroethane**	x	0	0.00	1	ug	1.	<	1.			480
107-05-1	M1	**allyl chloride**	x	0	0.00	1	ug	1.	<	1.			480
156-60-5	M1	**trans 1,2-dichloroethene**	x	0	0.00	1	ug	1.	<	1.			480
1634-04-4	M1	**[MTBE] tert-butylmethyl ether**	x	0	0.00	1	ug	1.	<	1.			480
75-34-3	MP1	**1,1-dichloroethane**	x	0	0.00	1	ug	1.	<	1.			480
78-93-3	M1	**[MEK] 2-butanone**	x	0	0.00	4	ug	1.	<	4.			480
156-59-4	M1	**cis 1,2-dichloroethene**	x	0	0.00	1	ug	1.	<	1.			480
590-20-7	M1	**2,2-dichloropropane**	x	1125	0.02	1	ug	1.	<	1.			480
74-97-5	M1	**bromochloromethane**	x	0	0.00	1	ug	1.	<	1.			480
67-66-3	MC1	**chloroform (trichloromethane)**	x	0	0.00	1	ug	1.	<	1.			480
109-99-9	M1	**tetrahydrofruan**	x	0	0.00	4	ug	1.	<	4.			480
71-55-6	M1	**1,1,1-trichloroethane**	x	0	0.00	1	ug	1.	<	1.			480
107-06-2	M1	**1,2 dichloroethane**	x	0	0.00	1	ug	1.	<	1.			480
563-58-6	M1	**1,1-dichloropropene**	x	0	0.00	1	ug	1.	<	1.			480
71-43-2	M1	**benzene**	x	21593	0.20	1	ug	1.	<	1.			480
56-26-5	M1	**carbon tetrachloride**	x	0	0.00	1	ug	1.	<	1.			480
79-01-6	M1	**trichloroethene**	x	0	0.00	1	ug	1.	<	1.			480
78-87-5	MC1	**1,2-dichloropropane**	x	0	0.00	1	ug	1.	<	1.			480
74-95-3	M1	**dibromomethane**	x	0	0.00	1	ug	1.	<	1.			480
75-27-4	M1	**bromodichloromethane**	x	0	0.00	1	ug	1.	<	1.			480
10061-01-5	M1	**cis 1,3-dichloropropene**	x	0	0.00	1	ug	1.	<	1.			480
108-10-1	M1	**[MIBK] 4-methyl-2-pentanone**	x	0	0.00	1	ug	1.	<	1.			480
108-88-3	MC1	**toluene**	x	38296	0.55	2	ug	1.	<	2.			480
10061-02-6	M1	**trans 1,3-dichloropropene**	x	0	0.00	1	ug	1.	<	1.			480
79-00-5	M1	**1,1,2-trichloroethane**	x	0	0.00	1	ug	1.	<	1.			480
142-28-9	M2	**1,3-dichloropropane**	x	0	0.00	1	ug	1.	<	1.			480
124-48-1	M2	**dibromochloromethane**	x	0	0.00	1	ug	1.	<	1.			480
127-18-4	M2	**tetrachloroethene**	x	0	0.00	1	ug	1.	<	1.			480
106-93-4	M2	**1,2-dibromoethane**	x	0	0.00	1	ug	1.	<	1.			480
108-90-7	MP2	**chlorobenzene**	x	0	0.00	1	ug	1.	<	1.			480
630-20-6	M2	**1,1,1,2-tetrachloroethane**	x	0	0.00	1	ug	1.	<	1.			480
100-41-4	MC2	**ethylbenzene**	x	8635	0.05	1	ug	1.	<	1.			480
	M2	**m/p xylene**	x	39926	0.41	1	ug	1.	<	1.			960
100-42-5	M2	**styrene**	x	0	0.00	1	ug	1.	<	1.			480
95-47-6	M2	**o-xylene**	x	8137	0.08	1	ug	1.	<	1.			480
75-25-2	MP2	**bromoform**	x	0	0.00	1	ug	1.	<	1.			480
79-34-5	MP2	**1,1,2,2-tetrachloroethane**	x	0	0.00	1	ug	1.	<	1.			480
98-82-8	M2	**isopropylbenzene**	x	1504	0.01	1	ug	1.	<	1.			480
96-18-4	M2	**1,2,3-trichloropropane**	x	0	0.00	1	ug	1.	<	1.			480
108-86-1	M2	**bromobenzene**	x	0	0.00	1	ug	1.	<	1.			480
95-49-8	M2	**2-chlorotoluene**	x	0	0.00	1	ug	1.	<	1.			480
103-65-1	M2	**n-propylbenzene**	x	0	0.00	1	ug	1.	<	1.			480

KEY LABORATORIES, INC.
2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil**
Client Project Name : **Creek Below Pond**

Client Sample Number : **Creek**

Sampling Date : **6/23/2008**
Sampling Time : **10:45**
Sample Matrix : **Water**
Sampler : **Adell**

Lab QC Batch Sample :
Key Lab # : **08-1668**
Work Order # : **0623081668**
Date Recieved : **06/23/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 2200021.D
Date Analyzed : 24 Jun 2008 12:11 pm
Data File Path : C:\MSDCHEM\1\DATA_0806JUN23\
Lab Sample Information : Water, 1xdil, Marathon, Creek Below Pond
Lab Sample Number : **Creek, 08-1668, 0623081668**

Reported==>> **x** **DF = 1**

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc		RDL	Qual	MQL
106-43-4	M2	**4-chlorotoluene**	x	0	0.00	1	ug	1.	<	1.			480
108-67-8	M2	**1,3,5-trimethylbenzene**	x	7701	0.08	1	ug	1.	<	1.			480
98-06-6	M2	**tert-butylbenzene**	x	0	0.00	1	ug	1.	<	1.			480
95-63-6	M2	**1,2,4-trimethylbenzene**	x	15802	0.16	1	ug	1.	<	1.			480
96-12-8	M2	**1.2-dibromo-3-chloropropane**	x	0	0.00	1	ug	1.	<	1.			480
541-73-1	M3	**1,3-dichlorobenzene**	x	2573	0.06	1	ug	1.	<	1.			480
99-87-6	M3	**p-isopropyltoluene**	x	81458	1.02	1	ug	1.	**1 ug/L**		1.	J	480
135-98-8	M3	**sec-butylbenzene**	x	15795	0.16	1	ug	1.	<	1.			480
106-46-7	M3	**1,4-dichlorobenzene**	x	2570	0.06	1	ug	1.	<	1.			480
95-50-1	M3	**1,2-dichlorobenzene**	x	0	0.00	1	ug	1.	<	1.			480
104-51-8	M3	**n-butylbenzene**	x	0	0.00	1	ug	1.	<	1.			480
87-61-6	M3	**1,2,4-trichlorobenzene**	x	0	0.00	2	ug	1.	<	2.			480
87-68-3	M3	**hexachlorobutadiene**	x	0	0.00	2	ug	1.	<	2.			480
91-20-3	M3	**napthylene**	x	8866	0.15	2	ug	1.	<	2.			480
120-82-1	M3	**1,2,3-trichlorobenzene**	x	0	0.00	2	ug	1.	<	2.			480

CAS#	Type	System Monitoring Compounds	Resp.	Amt.	Area%	Units		Water Limits		Soil Limits		Spike	%Rec
1868-53-7	S1	**dibromofluoromethane**	4188132	68.05	**80**	ug	5211326	65 -	135	50 -	150	69.9	**97.4**
17060-07-0	M1	**1,2 dichloroethane-d4**	1761960	69.37	**82**	ug	2150224	65 -	135	50 -	150	69.9	**99.2**
2037-26-5	S1	**toluene-d8**	4217758	68.38	**80**	ug	5285330	65 -	135	50 -	150	69.9	**97.8**
460-00-4	S2	**4-bromofluorobenzene**	3836858	64.99	**69**	ug	5531588	65 -	135	50 -	150	69.9	**93.**

CAS#	Type	Internal Stanard Compounds	Resp.	Amt.	Area%	Units		Spike
462-06-6	I1	**fluorbenzene**	6994183	69.90	**82**	ug	8484018	69.9
3114-55-4	I2	**chlorobenzene-d5**	3740765	69.90	**74**	ug	5060990	69.9
3855-82-1	I3	**1,4-dichlorobenzene-d4**	2209584	69.90	**57**	ug	3894374	69.9

MDL = Method Detection Limit
PQL = Practical Quantition Limit = 4 x MDL
RDL = Reporting Detection Limit = MDL x Dilution Factor
MQL = Maximum Quantitation Limit = 110% x DF x Highest Calibration Standard

Reporting basis is Kg for solids and L for liquids

J qualifier = MDL < Result < PQL
E qualifier = Estimated Result > Highest Calibration Standard

Analyst

Approved

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun23\
Data File : 2200021.D
Acq On : 24 Jun 2008 12:11 pm
Operator : KEY
Sample : Creek, 08-1668, 0623081668
Misc : Water, 1xdil, Marathon, Creek Below Pond
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 24 12:31:11 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56:12 2008
QLast Update : Wed Jun 11 16:56:12 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorbenzene	4.26	96	6994183	69.90	ug	0.00
40) chlorobenzene-d5	9.34	54	3740765+	69.90	ug	0.00
64) 1,4-dichlorobenzene-d4	13.71	154	2209584+	69.90	ug	0.00
System Monitoring Compounds						
22) dibromofluoromethane	2.91	113	4188132+	68.05	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 97.35%			
25) 1,2 dichloroethane-d4	3.35	104	1761960+	69.37	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 99.24%			
36) toluene-d8	6.91	100	4217758	68.38	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 97.83%			
55) 4-bromofluorobenzene	11.75	174	3836858+	64.99	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 92.98%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.96	85	2556	0.06	ug #	53
3) chloromethane	0.00	50	0	N.D.		
4) vinyl chloride	0.00	62	0	N.D.		
5) acetone	1.50	58	63563+	3.38	ug #	85
6) diethyl ether	0.00	74	0+	N.D.		
7) bromomethane	0.00	94	0	N.D.		
8) chloroethane	1.24	64	3304	0.19	ug #	48
9) trichlorofluoromethane	0.00	101	0	N.D.		
10) 1,1-dichloroethene	0.00	96	0	N.D.		
11) methylene chloride	1.71	84	4070	0.15	ug #	79
12) 1,1,2-trichlorotrifluoroet	0.00	151	0+	N.D.		
13) allyl chloride	0.00	78	0+	N.D.		
14) trans 1,2-dichloroethene	0.00	96	0	N.D.		
15) [MTBE] tert-butylmethyl et	0.00	73	0	N.D.		
16) 1,1-dichloroethane	0.00	63	0	N.D.		
17) [MEK] 2-butanone	0.00	72	0+	N.D.		
18) cis 1,2-dichloroethene	0.00	96	0	N.D.		
19) 2,2-dichloropropane	2.92	77	1125+	0.02	ug	50
20) bromochloromethane	0.00	128	0+	N.D.		
21) chloroform (trichlorometha	0.00	83	0	N.D.		
23) tetrahydrofruan	0.00	71	0+	N.D.		
24) 1,1,1-trichloroethane	0.00	97	0+	N.D.		
26) 1,2 dichloroethane	0.00	62	0	N.D.		
27) 1,1-dichloropropene	0.00	75	0	N.D.		
28) benzene	3.96	78	21593	0.20	ug	97
29) carbon tetrachloride	0.00	117	0+	N.D.		
30) trichloroethene	0.00	130	0+	N.D.		
31) 1,2-dichloropropane	0.00	63	0	N.D.		
32) dibromomethane	0.00	174	0	N.D.		
33) bromodichloromethane	0.00	83	0	N.D.		
34) cis 1,3-dichloropropene	0.00	75	0	N.D.		
35) [MIBK] 4-methyl-2-pentanon	0.00	58	0+	N.D.		
37) toluene	7.02	92	38296	0.55	ug	97
38) trans 1,3-dichloropropene	0.00	75	0	N.D.		
39) 1,1,2-trichloroethane	0.00	83	0	N.D.		
41) 1,3-dichloropropane	0.00	76	0	N.D.		
42) dibromochloromethane	0.00	129	0	N.D.		
43) tetrachloroethene	0.00	166	0+	N.D.		

Data Path : C:\MSDChem\1\DATA_0806jun23\
Data File : 2200021.D
Acq On : 24 Jun 2008 12:11 pm
Operator : KEY
Sample : Creek, 08-1668, 0623081668
Misc : Water, 1xdil, Marathon, Creek Below Pond
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 24 12:31:11 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56
:12 2008
QLast Update : Wed Jun 11 16:56:12 2008
Response via : Initial Calibration

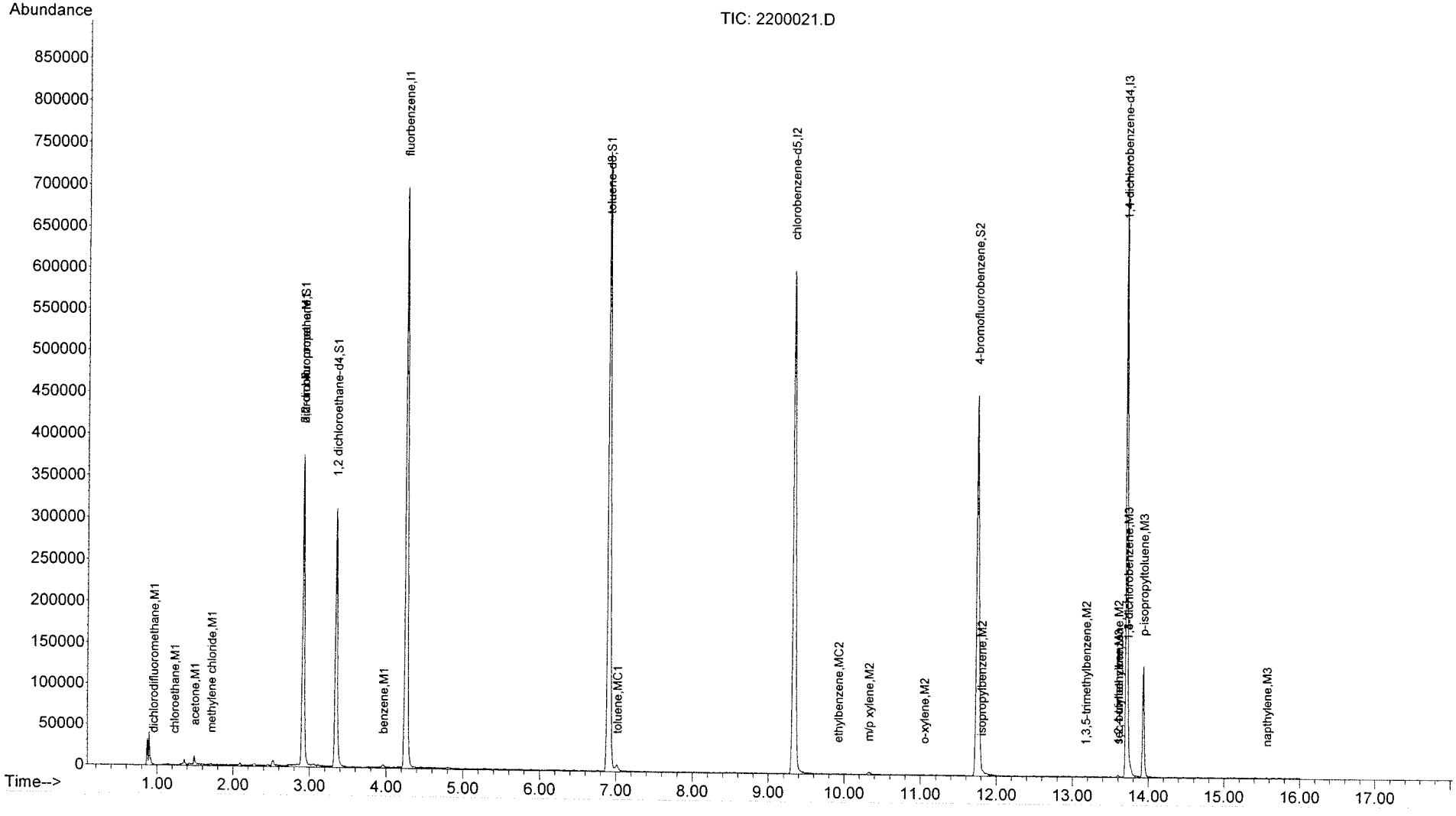
Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
44) 1,2-dibromoethane	0.00	107	0	N.D.		
45) chlorobenzene	0.00	112	0	N.D.		
46) 1,1,1,2-tetrachloroethane	0.00	131	0+	N.D.		
47) ethylbenzene	9.92	91	8635+	0.05 ug		62
48) m/p xylene	10.32	91	39926	0.41 ug	#	52
49) styrene	0.00	104	0	N.D.		
50) o-xylene	11.05	91	8137	0.08 ug	#	70
51) bromoform	0.00	173	0	N.D.		
52) 1,1,2,2-tetrachloroethane	0.00	83	0+	N.D.		
53) isopropylbenzene	11.81	105	1504	0.01 ug	#	1
54) 1,2,3-trichloropropane	0.00	75	0	N.D.		
56) bromobenzene	0.00	156	0	N.D.		
57) 2-chlorotoluene	0.00	126	0	N.D.		
58) n-propylbenzene	0.00	120	0	N.D.		
59) 4-chlorotoluene	0.00	126	0	N.D.		
60) 1,3,5-trimethylbenzene	13.17	105	7701	0.08 ug		95
61) tert-butylbenzene	0.00	119	0	N.D.		
62) 1,2,4-trimethylbenzene	13.61	105	15802	0.16 ug	#	72
63) 1.2-dibromo-3-chloropropan	0.00	157	0	N.D.		
65) 1,3-dichlorobenzene	13.74	146	2573	0.06 ug	#	1
66) p-isopropyltoluene	13.93	119	81458	1.02 ug	#	5
67) sec-butylbenzene	13.61	105	15795	0.16 ug	#	36
68) 1,4-dichlorobenzene	13.74	146	2570	0.06 ug	#	1
69) 1,2-dichlorobenzene	0.00	146	0	N.D.		
70) n-butylbenzene	0.00	91	0	N.D.		
71) 1,2,4-trichlorobenzene	0.00	180	0+	N.D.		
72) hexachlorobutadiene	0.00	225	0+	N.D.		
73) napthylene	15.57	128	8866	0.15 ug	#	71
74) 1,2,3-trichlorobenzene	0.00	180	0+	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun23\
Data File : 2200021.D
Acq On : 24 Jun 2008 12:11 pm
Operator : KEY
Sample : Creek, 08-1668, 0623081668
Misc : Water, 1xdil, Marathon, Creek Below Pond
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 24 12:31:11 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56:12 2008
QLast Update : Wed Jun 11 16:56:12 2008
Response via : Initial Calibration



KEY LABORATORIES, INC.
2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil Company**
Client Project Name : **Creek Below Pond**

Client Sample Number : **Blank**

Sampling Date : **6/23/2008**
Sampling Time :
Sample Matrix : **water**
Sampler : **Adell**

Lab QC Batch Sample :
Key Lab # : **08-0002**
Work Order # : **0101080000**
Date Recieved : **06/23/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 2300001.D
Date Analyzed : 24 Jun 2008 12:49 pm
Data File Path : C:\MSDChem\1\DATA_0806jun23\
Lab Sample Information : 5uL #372
Lab Sample Number : **Blank, 08-0002, 0101080000,**

Reported==>> x DF = 1

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc		RDL	Qual	MQL
75-71-8	M1	**dichlorodifluoromethane**	x	2654	0.06	2	ug	1.		<	2.		480
74-87-3	MP1	**chloromethane**	x	0	0.00	2	ug	1.		<	2.		480
75-01-4	MC1	**vinyl chloride**	x	0	0.00	2	ug	1.		<	2.		480
67-64-1	M1	**acetone**	x	58263	2.78	4	ug	1.		<	4.		480
60-29-7	M1	**diethyl ether**	x	0	0.00	2	ug	1.		<	2.		480
74-83-9	M1	**bromomethane**	x	0	0.00	2	ug	1.		<	2.		480
75-00-3	M1	**chloroethane**	x	1935	0.10	2	ug	1.		<	2.		480
75-69-4	M1	**trichlorofluoromethane**	x	1809	0.03	1	ug	1.		<	1.		480
75-35-4	MC1	**1,1-dichloroethene**	x	1046	0.04	1	ug	1.		<	1.		480
75-09-2	M1	**methylene chloride**	x	1298	0.04	1	ug	1.		<	1.		480
76-13-1	M1	**1,1,2-trichlorotrifluoroethane**	x	0	0.00	1	ug	1.		<	1.		480
107-05-1	M1	**allyl chloride**	x	0	0.00	1	ug	1.		<	1.		480
156-60-5	M1	**trans 1,2-dichloroethene**	x	0	0.00	1	ug	1.		<	1.		480
1634-04-4	M1	**[MTBE] tert-butylmethyl ether**	x	0	0.00	1	ug	1.		<	1.		480
75-34-3	MP1	**1,1-dichloroethane**	x	0	0.00	1	ug	1.		<	1.		480
78-93-3	M1	**[MEK] 2-butanone**	x	0	0.00	4	ug	1.		<	4.		480
156-59-4	M1	**cis 1,2-dichloroethene**	x	0	0.00	1	ug	1.		<	1.		480
590-20-7	M1	**2,2-dichloropropane**	x	0	0.00	1	ug	1.		<	1.		480
74-97-5	M1	**bromochloromethane**	x	0	0.00	1	ug	1.		<	1.		480
67-66-3	MC1	**chloroform (trichloromethane)**	x	97009	1.48	1.5	ug	1.		<	1.5		480
109-99-9	M1	**tetrahydrofruan**	x	26150	1.65	4	ug	1.		<	4.		480
71-55-6	M1	**1,1,1-trichloroethane**	x	0	0.00	1	ug	1.		<	1.		480
107-06-2	M1	**1,2 dichloroethane**	x	0	0.00	1	ug	1.		<	1.		480
563-58-6	M1	**1,1-dichloropropene**	x	0	0.00	1	ug	1.		<	1.		480
71-43-2	M1	**benzene**	x	18109	0.15	1	ug	1.		<	1.		480
56-26-5	M1	**carbon tetrachloride**	x	0	0.00	1	ug	1.		<	1.		480
79-01-6	M1	**trichloroethene**	x	0	0.00	1	ug	1.		<	1.		480
78-87-5	MC1	**1,2-dichloropropane**	x	0	0.00	1	ug	1.		<	1.		480
74-95-3	M1	**dibromomethane**	x	0	0.00	1	ug	1.		<	1.		480
75-27-4	M1	**bromodichloromethane**	x	0	0.00	1	ug	1.		<	1.		480
10061-01-5	M1	**cis 1,3-dichloropropene**	x	0	0.00	1	ug	1.		<	1.		480
108-10-1	M1	**[MIBK] 4-methyl-2-pentanone**	x	0	0.00	1	ug	1.		<	1.		480
108-88-3	MC1	**toluene**	x	210459	2.69	2.7	ug	1.		<	2.7		480
10061-02-6	M1	**trans 1,3-dichloropropene**	x	0	0.00	1	ug	1.		<	1.		480
79-00-5	M1	**1,1,2-trichloroethane**	x	0	0.00	1	ug	1.		<	1.		480
142-28-9	M2	**1,3-dichloropropane**	x	0	0.00	1	ug	1.		<	1.		480
124-48-1	M2	**dibromochloromethane**	x	0	0.00	1	ug	1.		<	1.		480
127-18-4	M2	**tetrachloroethene**	x	0	0.00	1	ug	1.		<	1.		480
106-93-4	M2	**1,2-dibromoethane**	x	0	0.00	1	ug	1.		<	1.		480
108-90-7	MP2	**chlorobenzene**	x	0	0.00	1	ug	1.		<	1.		480
630-20-6	M2	**1,1,1,2-tetrachloroethane**	x	0	0.00	1	ug	1.		<	1.		480
100-41-4	MC2	**ethylbenzene**	x	8166	0.04	1	ug	1.		<	1.		480
	M2	**m/p xylene**	x	26407	0.24	1	ug	1.		<	1.		960
100-42-5	M2	**styrene**	x	0	0.00	1	ug	1.		<	1.		480
95-47-6	M2	**o-xylene**	x	15457	0.14	1	ug	1.		<	1.		480
75-25-2	MP2	**bromoform**	x	0	0.00	1	ug	1.		<	1.		480
79-34-5	MP2	**1,1,2,2-tetrachloroethane**	x	0	0.00	1	ug	1.		<	1.		480
98-82-8	M2	**isopropylbenzene**	x	7977	0.06	1	ug	1.		<	1.		480
96-18-4	M2	**1,2,3-trichloropropane**	x	0	0.00	1	ug	1.		<	1.		480
108-86-1	M2	**bromobenzene**	x	0	0.00	1	ug	1.		<	1.		480
95-49-8	M2	**2-chlorotoluene**	x	0	0.00	1	ug	1.		<	1.		480
103-65-1	M2	**n-propylbenzene**	x	0	0.00	1	ug	1.		<	1.		480

KEY LABORATORIES, INC.
2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil Company**
Client Project Name : **Creek Below Pond**

Client Sample Number : **Blank**

Sampling Date : **6/23/2008**
Sampling Time :
Sample Matrix : **water**
Sampler : **Adell**

Lab QC Batch Sample :
Key Lab # : **08-0002**
Work Order # : **0101080000**
Date Recieved : **06/23/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 2300001.D
Date Analyzed : 24 Jun 2008 12:49 pm
Data File Path : C:\MSDChem\1\DATA_0806jun23\
Lab Sample Information : 5uL #372
Lab Sample Number : **Blank, 08-0002, 0101080000,**

Reported==>> x DF = 1

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc		RDL	Qual	MQL
106-43-4	M2	**4-chlorotoluene**	x	0	0.00	1	ug	1.	<	1.			480
108-67-8	M2	**1,3,5-trimethylbenzene**	x	10791	0.10	1	ug	1.	<	1.			480
98-06-6	M2	**tert-butylbenzene**	x	9004	0.09	1	ug	1.	<	1.			480
95-63-6	M2	**1,2,4-trimethylbenzene**	x	21290	0.19	1	ug	1.	<	1.			480
96-12-8	M2	**1.2-dibromo-3-chloropropane**	x	0	0.00	1	ug	1.	<	1.			480
541-73-1	M3	**1,3-dichlorobenzene**	x	2277	0.04	1	ug	1.	<	1.			480
99-87-6	M3	**p-isopropyltoluene**	x	24077	0.22	1	ug	1.	<	1.			480
135-98-8	M3	**sec-butylbenzene**	x	15718	0.12	1	ug	1.	<	1.			480
106-46-7	M3	**1,4-dichlorobenzene**	x	2842	0.05	1	ug	1.	<	1.			480
95-50-1	M3	**1,2-dichlorobenzene**	x	3490	0.06	1	ug	1.	<	1.			480
104-51-8	M3	**n-butylbenzene**	x	3656	0.04	1	ug	1.	<	1.			480
87-61-6	M3	**1,2,4-trichlorobenzene**	x	0	0.00	2	ug	1.	<	2.			480
87-68-3	M3	**hexachlorobutadiene**	x	1219	0.03	2	ug	1.	<	2.			480
91-20-3	M3	**napthylene**	x	12223	0.16	2	ug	1.	<	2.			480
120-82-1	M3	**1,2,3-trichlorobenzene**	x	3201	0.05	2	ug	1.	<	2.			480

CAS#	Type	System Monitoring Compounds	Resp.	Amt.	Area%	Units		Water Limits		r Limits	Soil Limits		Spike	%Rec
1868-53-7	S1	**dibromofluoromethane**	4676107	68.22	**90**	ug	5211326	65 -	135	50 -	150		69.9	**97.6**
17060-07-0	M1	**1,2 dichloroethane-d4**	1967832	69.57	**92**	ug	2150224	65 -	135	50 -	150		69.9	**99.5**
2037-26-5	S1	**toluene-d8**	4649476	67.69	**88**	ug	5285330	65 -	135	50 -	150		69.9	**96.8**
460-00-4	S2	**4-bromofluorobenzene**	4619109	68.77	**84**	ug	5531588	65 -	135	50 -	150		69.9	**98.4**

CAS#	Type	Internal Stanard Compounds	Resp.	Amt.	Area%	Units		Spike
462-06-6	I1	**fluorbenzene**	7789433	69.90	**92**	ug	8484018	69.9
3114-55-4	I2	**chlorobenzene-d5**	4255554	69.90	**84**	ug	5060990	69.9
3855-82-1	I3	**1,4-dichlorobenzene-d4**	2967439	69.90	**76**	ug	3894374	69.9

MDL = Method Detection Limit
PQL = Practical Quantition Limit = 4 x MDL
RDL = Reporting Detection Limit = MDL x Dilution Factor
MQL = Maximum Quantitation Limit = 110% x DF x Highest Calibration Standard

Reporting basis is Kg for solids and L for liquids

J qualifier = MDL < Result < PQL
E qualifier = Estimated Result > Highest Calibration Standard

Analyst

Approved

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun23\
Data File : 2300001.D
Acq On : 24 Jun 2008 12:49 pm
Operator : KEY
Sample : Blank, 08-0002, 0101080000,
Misc : 5uL #372
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 24 13:08:05 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56
:12 2008
QLast Update : Wed Jun 11 16:56:12 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) fluorbenzene	4.26	96	7789433	69.90	ug	0.00
40) chlorobenzene-d5	9.34	54	4255554+	69.90	ug	0.00
64) 1,4-dichlorobenzene-d4	13.71	154	2967439+	69.90	ug	0.00
System Monitoring Compounds						
22) dibromofluoromethane	2.91	113	4676107+	68.22	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 97.60%			
25) 1,2 dichloroethane-d4	3.35	104	1967832+	69.57	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 99.53%			
36) toluene-d8	6.91	100	4649476	67.69	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 96.84%			
55) 4-bromofluorobenzene	11.75	174	4619109+	68.77	ug	0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 98.38%			
Target Compounds						Qvalue
2) dichlorodifluoromethane	0.96	85	2654	0.06	ug #	50
3) chloromethane	0.00	50	0	N.D.		
4) vinyl chloride	0.00	62	0	N.D.		
5) acetone	1.50	58	58263+	2.78	ug #	88
6) diethyl ether	0.00	74	0+	N.D.		
7) bromomethane	0.00	94	0	N.D.		
8) chloroethane	1.25	64	1935	0.10	ug #	1
9) trichlorofluoromethane	1.44	101	1809	0.03	ug #	64
10) 1,1-dichloroethene	1.64	96	1046	0.04	ug #	1
11) methylene chloride	1.71	84	1298	0.04	ug #	46
12) 1,1,2-trichlorotrifluoroet	0.00	151	0+	N.D.		
13) allyl chloride	0.00	78	0+	N.D.		
14) trans 1,2-dichloroethene	0.00	96	0	N.D.		
15) [MTBE] tert-butylmethyl et	0.00	73	0	N.D.		
16) 1,1-dichloroethane	0.00	63	0	N.D.		
17) [MEK] 2-butanone	0.00	72	0+	N.D.		
18) cis 1,2-dichloroethene	0.00	96	0	N.D.		
19) 2,2-dichloropropane	0.00	77	0+	N.D.		
20) bromochloromethane	0.00	128	0+	N.D.		
21) chloroform (trichlorometha	2.81	83	97009	1.48	ug	97
23) tetrahydrofruan	3.13	71	26150+	1.65	ug	85
24) 1,1,1-trichloroethane	0.00	97	0+	N.D.		
26) 1,2 dichloroethane	0.00	62	0	N.D.		
27) 1,1-dichloropropene	0.00	75	0	N.D.		
28) benzene	3.97	78	18109	0.15	ug #	89
29) carbon tetrachloride	0.00	117	0+	N.D.		
30) trichloroethene	0.00	130	0+	N.D.		
31) 1,2-dichloropropane	0.00	63	0	N.D.		
32) dibromomethane	0.00	174	0	N.D.		
33) bromodichloromethane	0.00	83	0	N.D.		
34) cis 1,3-dichloropropene	0.00	75	0	N.D.		
35) [MIBK] 4-methyl-2-pentanon	0.00	58	0+	N.D.		
37) toluene	7.02	92	210459	2.69	ug	97
38) trans 1,3-dichloropropene	0.00	75	0	N.D.		
39) 1,1,2-trichloroethane	0.00	83	0	N.D.		
41) 1,3-dichloropropane	0.00	76	0	N.D.		
42) dibromochloromethane	0.00	129	0	N.D.		
43) tetrachloroethene	0.00	166	0+	N.D.		

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun23\
Data File : 2300001.D
Acq On : 24 Jun 2008 12:49 pm
Operator : KEY
Sample : Blank, 08-0002, 0101080000,
Misc : 5uL #372
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 24 13:08:05 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56
:12 2008
QLast Update : Wed Jun 11 16:56:12 2008
Response via : Initial Calibration

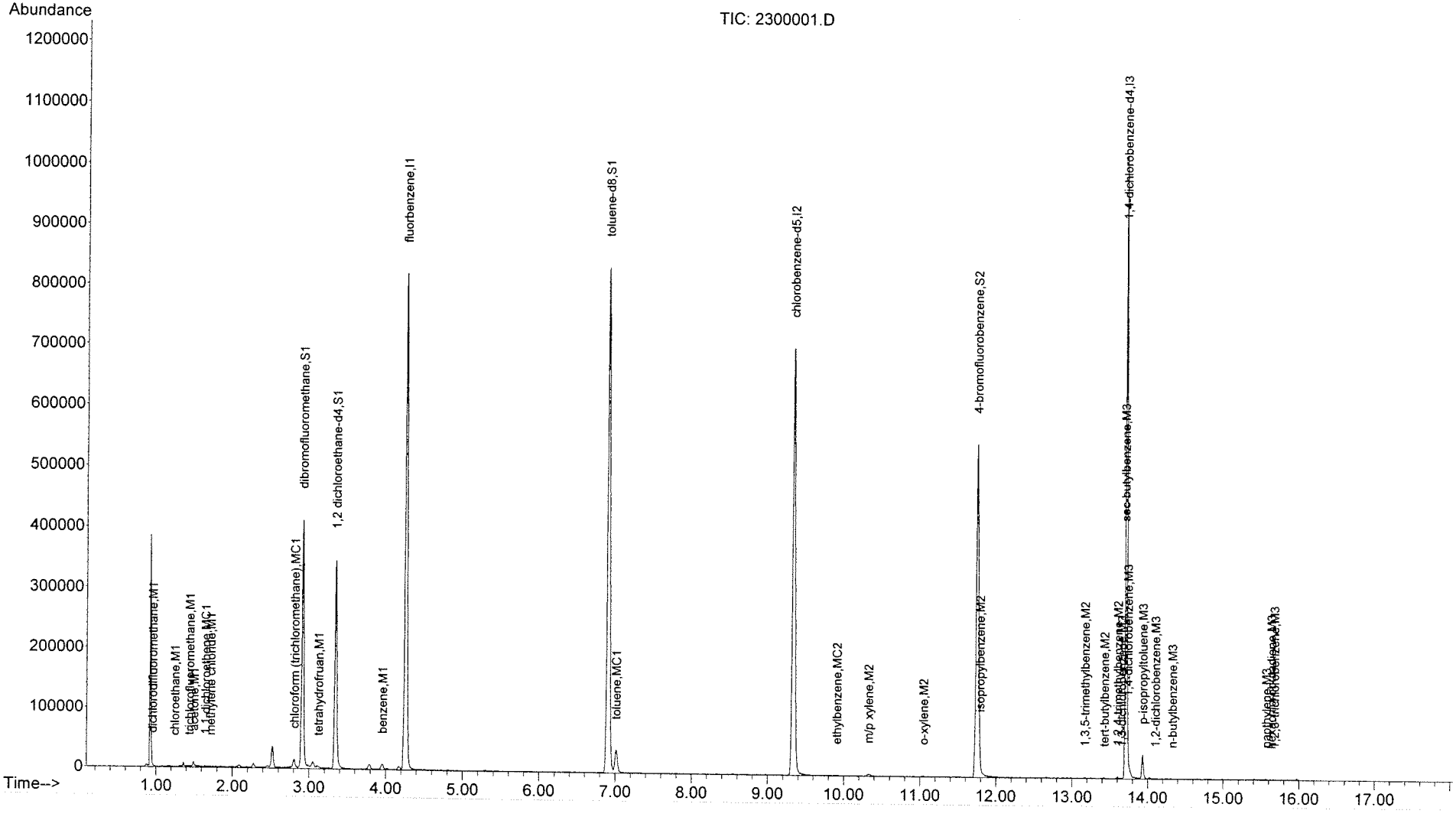
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 1,2-dibromoethane	0.00	107	0	N.D.			
45) chlorobenzene	0.00	112	0	N.D.			
46) 1,1,1,2-tetrachloroethane	0.00	131	0+	N.D.			
47) ethylbenzene	9.91	91	8166+	0.04	ug		62
48) m/p xylene	10.33	91	26407	0.24	ug	#	73
49) styrene	0.00	104	0	N.D.			
50) o-xylene	11.05	91	15457	0.14	ug	#	76
51) bromoform	0.00	173	0	N.D.			
52) 1,1,2,2-tetrachloroethane	0.00	83	0+	N.D.			
53) isopropylbenzene	11.79	105	7977	0.06	ug	#	1
54) 1,2,3-trichloropropane	0.00	75	0	N.D.			
56) bromobenzene	0.00	156	0	N.D.			
57) 2-chlorotoluene	0.00	126	0	N.D.			
58) n-propylbenzene	0.00	120	0	N.D.			
59) 4-chlorotoluene	0.00	126	0	N.D.			
60) 1,3,5-trimethylbenzene	13.17	105	10791	0.10	ug		98
61) tert-butylbenzene	13.43	119	9004	0.09	ug	#	68
62) 1,2,4-trimethylbenzene	13.60	105	21290	0.19	ug	#	82
63) 1.2-dibromo-3-chloropropan	0.00	157	0	N.D.			
65) 1,3-dichlorobenzene	13.66	146	2277	0.04	ug	#	1
66) p-isopropyltoluene	13.94	119	24077	0.22	ug	#	1
67) sec-butylbenzene	13.69	105	15718	0.12	ug	#	1
68) 1,4-dichlorobenzene	13.74	146	2842	0.05	ug	#	54
69) 1,2-dichlorobenzene	14.09	146	3490	0.06	ug	#	24
70) n-butylbenzene	14.33	91	3656	0.04	ug	#	33
71) 1,2,4-trichlorobenzene	0.00	180	0+	N.D.			
72) hexachlorobutadiene	15.63	225	1219+	0.03	ug		53
73) napthylene	15.57	128	12223	0.16	ug	#	80
74) 1,2,3-trichlorobenzene	15.67	180	3201+	0.05	ug		42

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun23\
Data File : 2300001.D
Acq On : 24 Jun 2008 12:49 pm
Operator : KEY
Sample : Blank, 08-0002, 0101080000,
Misc : 5uL #372
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 24 13:08:05 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56:12 2008
QLast Update : Wed Jun 11 16:56:12 2008
Response via : Initial Calibration



KEY LABORATORIES, INC.

2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil Company**
Client Project Name : **Creek Below Pond**

Lab QC Batch Sample :
Key Lab # : **08-0001**
Work Order # : **0101080000**
Date Recieved : **06/23/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 1800017.D
Date Analyzed : 24 Jun 2008 8:45 am
Data File Path : C:\MSDCHEM\1\DATA_0806JUN23\
Lab Sample Information : 1uL #376 + 1ul #376 + 5uL #372
Lab Sample Number : **CC 8260 40ppb, 08-0001, 0101080000,**

Client Sample Number : **Continuing Calibration Check**

Sampling Date : **6/23/2008**
Sampling Time :
Sample Matrix : **water**
Sampler : **Adell**

Reported==>> x DF = 1

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc	RDL	Qual	MQL	Spike	%Rec
75-71-8	M1	**dichlorodifluoromethane**	x	1794446	37.77	2	ug	1.	**38 ug/L**	2.		480	40.	**94.4**
74-87-3	MP1	**chloromethane**	x	1464085	38.89	2	ug	1.	**39 ug/L**	2.		480	40.	**97.2**
75-01-4	MC1	**vinyl chloride**	x	1554307	40.22	2	ug	1.	**40 ug/L**	2.		480	40.	**100.5**
67-64-1	M1	**acetone**	x	483715	22.96	4	ug	1.	**23 ug/L**	4.		480	40.	**57.4**
60-29-7	M1	**diethyl ether**	x	1887558	38.10	2	ug	1.	**38 ug/L**	2.		480	40.	**95.2**
74-83-9	M1	**bromomethane**	x	1067279	42.88	2	ug	1.	**43 ug/L**	2.		480	40.	**107.2**
75-00-3	M1	**chloroethane**	x	839303	42.48	2	ug	1.	**42 ug/L**	2.		480	40.	**106.2**
75-69-4	M1	**trichlorofluoromethane**	x	2660813	44.38	1	ug	1.	**44 ug/L**	1.		480	40.	**110.9**
75-35-4	MC1	**1,1-dichloroethene**	x	1215540	41.57	1	ug	1.	**42 ug/L**	1.		480	40.	**103.9**
75-09-2	M1	**methylene chloride**	x	1278713	40.82	1	ug	1.	**41 ug/L**	1.		480	40.	**102.0**
76-13-1	M1	**1,1,2-trichlorotrifluoroethane**	x	4120998	43.34	1	ug	1.	**43 ug/L**	1.		480	40.	**108.4**
107-05-1	M1	**allyl chloride**	x	2885368	44.68	1	ug	1.	**45 ug/L**	1.		480	40.	**111.7**
156-60-5	M1	**trans 1,2-dichloroethene**	x	1318401	40.70	1	ug	1.	**41 ug/L**	1.		480	40.	**101.8**
1634-04-4	M1	**[MTBE] tert-butylmethyl ether**	x	2824781	37.21	1	ug	1.	**37 ug/L**	1.		480	40.	**93.0**
75-34-3	MP1	**1,1-dichloroethane**	x	2256560	42.83	1	ug	1.	**43 ug/L**	1.		480	40.	**107.1**
78-93-3	M1	**[MEK] 2-butanone**	x	831069	27.26	4	ug	1.	**27 ug/L**	4.		480	40.	**68.2**
156-59-4	M1	**cis 1,2-dichloroethene**	x	1371089	40.70	1	ug	1.	**41 ug/L**	1.		480	40.	**101.8**
590-20-7	M1	**2,2-dichloropropane**	x	2638598	34.12	1	ug	1.	**34 ug/L**	1.		480	40.	**85.3**
74-97-5	M1	**bromochloromethane**	x	1661848	41.79	1	ug	1.	**42 ug/L**	1.		480	40.	**104.5**
67-66-3	MC1	**chloroform (trichloromethane)**	x	2554294	38.77	1.5	ug	1.	**39 ug/L**	1.5		480	40.	**96.9**
109-99-9	M1	**tetrahydrofruan**	x	435632	27.29	4	ug	1.	**27 ug/L**	4.		480	40.	**68.2**
71-55-6	M1	**1,1,1-trichloroethane**	x	3781091	40.66	1	ug	1.	**41 ug/L**	1.		480	40.	**101.7**
107-06-2	M1	**1,2 dichloroethane**	x	1790867	38.82	1	ug	1.	**39 ug/L**	1.		480	40.	**97.1**
563-58-6	M1	**1,1-dichloropropene**	x	2021399	41.56	1	ug	1.	**42 ug/L**	1.		480	40.	**103.9**
71-43-2	M1	**benzene**	x	4930768	40.20	1	ug	1.	**40 ug/L**	1.		480	40.	**100.5**
56-26-5	M1	**carbon tetrachloride**	x	4157519	41.22	1	ug	1.	**41 ug/L**	1.		480	40.	**103.1**
79-01-6	M1	**trichloroethene**	x	3001108	41.42	1	ug	1.	**41 ug/L**	1.		480	40.	**103.6**
78-87-5	MC1	**1,2-dichloropropane**	x	1189452	39.01	1	ug	1.	**39 ug/L**	1.		480	40.	**97.5**
74-95-3	M1	**dibromomethane**	x	859008	38.15	1	ug	1.	**38 ug/L**	1.		480	40.	**95.4**
75-27-4	M1	**bromodichloromethane**	x	1782069	40.06	1	ug	1.	**40 ug/L**	1.		480	40.	**100.2**
10061-01-5	M1	**cis 1,3-dichloropropene**	x	1655003	36.09	1	ug	1.	**36 ug/L**	1.		480	40.	**90.2**
108-10-1	M1	**[MIBK] 4-methyl-2-pentanone**	x	1419962	30.00	1	ug	1.	**30 ug/L**	1.		480	40.	**75.0**
108-88-3	MC1	**toluene**	x	3163542	40.23	2.7	ug	1.	**40 ug/L**	2.7		480	40.	**100.6**
10061-02-6	M1	**trans 1,3-dichloropropene**	x	1298522	32.27	1	ug	1.	**32 ug/L**	1.		480	40.	**80.7**
79-00-5	M1	**1,1,2-trichloroethane**	x	868782	37.18	1	ug	1.	**37 ug/L**	1.		480	40.	**92.9**
142-28-9	M2	**1,3-dichloropropane**	x	1702222	39.17	1	ug	1.	**39 ug/L**	1.		480	40.	**97.9**
124-48-1	M2	**dibromochloromethane**	x	1274135	40.15	1	ug	1.	**40 ug/L**	1.		480	40.	**100.4**
127-18-4	M2	**tetrachloroethene**	x	2778172	42.25	1	ug	1.	**42 ug/L**	1.		480	40.	**105.6**
106-93-4	M2	**1,2-dibromoethane**	x	1070012	37.11	1	ug	1.	**37 ug/L**	1.		480	40.	**92.8**
108-90-7	MP2	**chlorobenzene**	x	3432133	40.92	1	ug	1.	**41 ug/L**	1.		480	40.	**102.3**
630-20-6	M2	**1,1,1,2-tetrachloroethane**	x	2414588	39.63	1	ug	1.	**40 ug/L**	1.		480	40.	**99.1**
100-41-4	MC2	**ethylbenzene**	x	7756502	40.91	1	ug	1.	**41 ug/L**	1.		480	40.	**102.3**
	M2	**m/p xylene**	x	9375678	82.22	1	ug	1.	**82 ug/L**	1.		960	80.	**102.8**
100-42-5	M2	**styrene**	x	3217408	38.62	1	ug	1.	**39 ug/L**	1.		480	40.	**96.6**
95-47-6	M2	**o-xylene**	x	4788728	41.10	1	ug	1.	**41 ug/L**	1.		480	40.	**102.8**
75-25-2	MP2	**bromoform**	x	733733	35.01	1	ug	1.	**35 ug/L**	1.		480	40.	**87.5**
79-34-5	MP2	**1,1,2,2-tetrachloroethane**	x	2017898	35.18	1	ug	1.	**35 ug/L**	1.		480	40.	**88.0**
98-82-8	M2	**isopropylbenzene**	x	5748884	40.45	1	ug	1.	**40 ug/L**	1.		480	40.	**101.1**
96-18-4	M2	**1,2,3-trichloropropane**	x	862115	34.07	1	ug	1.	**34 ug/L**	1.		480	40.	**85.2**
108-86-1	M2	**bromobenzene**	x	1527746	40.10	1	ug	1.	**40 ug/L**	1.		480	40.	**100.2**
95-49-8	M2	**2-chlorotoluene**	x	1400184	40.40	1	ug	1.	**40 ug/L**	1.		480	40.	**101.0**
103-65-1	M2	**n-propylbenzene**	x	1430863	39.98	1	ug	1.	**40 ug/L**	1.		480	40.	**99.9**

KEY LABORATORIES, INC.
2479 River Road Unit A
Grand Junction, CO 81505
(970)243-5311 FAX (970)243-6010

8260 Analytical Report

Client : **Marathon Oil Company**
Client Project Name : **Creek Below Pond**

Client Sample Number : **Continuing Calibration Check**

Lab QC Batch Sample :
Key Lab # : **08-0001**
Work Order # : **0101080000**
Date Recieved : **06/23/08**
Method : EPA SW846 5030/5035/8260
Technician : KEY
Data File Name: 1800017.D
Date Analyzed : 24 Jun 2008 8:45 am
Data File Path : C:\MSDCHEM\1\DATA_0806JUN23\
Lab Sample Information : 1uL #376 + 1ul #376 + 5uL #372
Lab Sample Number : **CC 8260 40ppb, 08-0001, 0101080000,**

Sampling Date : **6/23/2008**
Sampling Time :
Sample Matrix : **water**
Sampler : **Adell**

Reported==>> x DF = 1

CAS#	Type	Target Compounds	Audit	Resp.	Amt.	MDL	Units	DF	Final Conc	RDL	Qual	MQL	Spike	%Rec
106-43-4	M2	**4-chlorotoluene**	x	1348788	39.40	1	ug	1.	**39 ug/L**	1.		480	40.	**98.5**
108-67-8	M2	**1,3,5-trimethylbenzene**	x	4437767	38.84	1	ug	1.	**39 ug/L**	1.		480	40.	**97.1**
98-06-6	M2	**tert-butylbenzene**	x	4016421	40.21	1	ug	1.	**40 ug/L**	1.		480	40.	**100.5**
95-63-6	M2	**1,2,4-trimethylbenzene**	x	4416081	38.83	1	ug	1.	**39 ug/L**	1.		480	40.	**97.1**
96-12-8	M2	**1.2-dibromo-3-chloropropane**	x	196941	28.39	1	ug	1.	**28 ug/L**	1.		480	40.	**71.0**
541-73-1	M3	**1,3-dichlorobenzene**	x	2657491	39.43	1	ug	1.	**39 ug/L**	1.		480	40.	**98.6**
99-87-6	M3	**p-isopropyltoluene**	x	4594045	38.60	1	ug	1.	**39 ug/L**	1.		480	40.	**96.5**
135-98-8	M3	**sec-butylbenzene**	x	6025943	40.29	1	ug	1.	**40 ug/L**	1.		480	40.	**100.7**
106-46-7	M3	**1,4-dichlorobenzene**	x	2618011	38.27	1	ug	1.	**38 ug/L**	1.		480	40.	**95.7**
95-50-1	M3	**1,2-dichlorobenzene**	x	2461571	38.30	1	ug	1.	**38 ug/L**	1.		480	40.	**95.7**
104-51-8	M3	**n-butylbenzene**	x	4452320	38.93	1	ug	1.	**39 ug/L**	1.		480	40.	**97.3**
87-61-6	M3	**1,2,4-trichlorobenzene**	x	2850263	35.08	2	ug	1.	**35 ug/L**	2.		480	40.	**87.7**
87-68-3	M3	**hexachlorobutadiene**	x	2030779	40.46	2	ug	1.	**40 ug/L**	2.		480	40.	**101.2**
91-20-3	M3	**napthylene**	x	2654786	30.43	2	ug	1.	**30 ug/L**	2.		480	40.	**76.1**
120-82-1	M3	**1,2,3-trichlorobenzene**	x	2664054	34.90	2	ug	1.	**35 ug/L**	2.		480	40.	**87.3**

CAS#	Type	System Monitoring Compounds	Resp.	Amt.	Area%	Units		Water Limits	r Limits		Soil Limits	Spike	%Rec
1868-53-7	S1	**dibromofluoromethane**	4766073	69.10	**91**	ug	5211326	65 -	135	50 -	150	69.9	**98.8**
17060-07-0	M1	**1,2 dichloroethane-d4**	1879452	66.02	**87**	ug	2150224	65 -	135	50 -	150	69.9	**94.5**
2037-26-5	S1	**toluene-d8**	4783483	69.20	**91**	ug	5285330	65 -	135	50 -	150	69.9	**99.**
460-00-4	S2	**4-bromofluorobenzene**	4806909	69.92	**87**	ug	5531588	65 -	135	50 -	150	69.9	**100.**

CAS#	Type	Internal Stanard Compounds	Resp.	Amt.	Area%	Units		Spike
462-06-6	I1	**fluorbenzene**	7838904	69.90	**92**	ug	8484018	69.9
3114-55-4	I2	**chlorobenzene-d5**	4355926	69.90	**86**	ug	5060990	69.9
3855-82-1	I3	**1,4-dichlorobenzene-d4**	3287038	69.90	**84**	ug	3894374	69.9

MDL = Method Detection Limit
PQL = Practical Quantition Limit = 4 x MDL
RDL = Reporting Detection Limit = MDL x Dilution Factor
MQL = Maximum Quantitation Limit = 110% x DF x Highest Calibration Standard

Reporting basis is Kg for solids and L for liquids

J qualifier = MDL < Result < PQL
E qualifier = Estimated Result > Highest Calibration Standard

Analyst

Approved

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA_0806jun23\
Data File : 1800017.D
Acq On : 24 Jun 2008 8:45 am
Operator : KEY
Sample : CC 8260 40ppb, 08-0001, 0101080000,
Misc : 1uL #376 + 1ul #376 + 5uL #372
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 24 09:03:50 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56
:12 2008
QLast Update : Wed Jun 11 16:56:12 2008
Response via : Initial Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I1	fluorbenzene	1.000	1.000	0.0	92	0.00
2 M1	dichlorodifluoromethane	0.424	0.400	5.7	80	0.00
3 MP1	chloromethane	0.336	0.326	3.0	80	0.00
4 MC1	vinyl chloride	0.345	0.346	-0.3	85	0.00
5 M1	acetone	0.188	0.108	42.6#	46#	0.00
6 M1	diethyl ether	0.442	0.421	4.8	79	0.00
7 M1	bromomethane	0.222	0.238	-7.2	93	0.00
8 M1	chloroethane	0.176	0.187	-6.3	88	0.00
9 M1	trichlorofluoromethane	0.535	0.593	-10.8	96	0.00
10 MC1	1,1-dichloroethene	0.261	0.271	-3.8	89	0.00
11 M1	methylene chloride	0.279	0.285	-2.2	86	0.00
12 M1	1,1,2-trichlorotrifluoroeth	0.848	0.919	-8.4	96	0.00
13 M1	allyl chloride	0.576	0.643	-11.6	91	0.00
14 M1	trans 1,2-dichloroethene	0.289	0.294	-1.7	86	0.00
15 M1	[MTBE] tert-butylmethyl eth	0.677	0.630	6.9	79	0.00
16 MP1	1,1-dichloroethane	0.470	0.503	-7.0	90	0.00
17 M1	[MEK] 2-butanone	0.272	0.185	32.0#	55	0.00
18 M1	cis 1,2-dichloroethene	0.300	0.306	-2.0	87	0.00
19 M1	2,2-dichloropropane	0.690	0.588	14.8	75	0.00
20 M1	bromochloromethane	0.355	0.370	-4.2	90	0.00
21 MC1	chloroform (trichloromethan	0.587	0.569	3.1	82	0.00
22 S1	dibromofluoromethane	0.615	0.608	1.1	91	0.00
23 M1	tetrahydrofruan	0.142	0.097#	31.7#	54	0.00
24 M1	1,1,1-trichloroethane	0.829	0.843	-1.7	91	0.00
25 S1	1,2 dichloroethane-d4	0.254	0.240	5.5	86	0.00
26 M1	1,2 dichloroethane	0.411	0.399	2.9	82	0.00
27 M1	1,1-dichloropropene	0.434	0.451	-3.9	91	0.00
28 M1	benzene	1.094	1.099	-0.5	87	0.00
29 M1	carbon tetrachloride	0.899	0.927	-3.1	99	0.00
30 M1	trichloroethene	0.646	0.669	-3.6	89	0.00
31 MC1	1,2-dichloropropane	0.272	0.265	2.6	86	0.00
32 M1	dibromomethane	0.201	0.191	5.0	82	0.00
33 M1	bromodichloromethane	0.397	0.397	0.0	98	0.00
34 M1	cis 1,3-dichloropropene	0.409	0.369	9.8	89	0.00
35 M1	[MIBK] 4-methyl-2-pentanone	0.422	0.317	24.9	64	0.00
36 S1	toluene-d8	0.616	0.610	1.0	91	0.00
37 MC1	toluene	0.701	0.705	-0.6	85	0.00
38 M1	trans 1,3-dichloropropene	0.359	0.289	19.5	86	0.00
39 M1	1,1,2-trichloroethane	0.208	0.194	6.7	79	0.00
40 I2	chlorobenzene-d5	1.000	1.000	0.0	89	0.00
41 M2	1,3-dichloropropane	0.697	0.683	2.0	80	0.00
42 M2	dibromochloromethane	0.509	0.511	-0.4	99	0.00
43 M2	tetrachloroethene	1.055	1.115	-5.7	88	0.00
44 M2	1,2-dibromoethane	0.463	0.429	7.3	77	0.00
45 MP2	chlorobenzene	1.346	1.377	-2.3	84	0.00
46 M2	1,1,1,2-tetrachloroethane	0.978	0.969	0.9	89	0.00
47 MC2	ethylbenzene	3.042	3.112	-2.3	85	0.00
48 M2	m/p xylene	1.830	1.881	-2.8	84	0.00

Evaluate Continuing Calibration Report

Data Path : C:\MSDChem\1\DATA_0806jun23\
Data File : 1800017.D
Acq On : 24 Jun 2008 8:45 am
Operator : KEY
Sample : CC 8260 40ppb, 08-0001, 0101080000,
Misc : 1uL #376 + 1ul #376 + 5uL #372
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 24 09:03:50 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56
:12 2008
QLast Update : Wed Jun 11 16:56:12 2008
Response via : Initial Calibration

Min. RRF : 0.100 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	M2	styrene	1.337	1.291	3.4	81	0.00
50	M2	o-xylene	1.870	1.921	-2.7	84	0.00
51	MP2	bromoform	0.336	0.294	12.5	92	0.00
52	MP2	1,1,2,2-tetrachloroethane	0.920	0.810	12.0	73	0.00
53	M2	isopropylbenzene	2.281	2.306	-1.1	84	0.00
54	M2	1,2,3-trichloropropane	0.406	0.346	14.8	69	0.00
55	S2	4-bromofluorobenzene	1.103	1.104	-0.1	88	0.00
56	M2	bromobenzene	0.611	0.613	-0.3	84	0.00
57	M2	2-chlorotoluene	0.556	0.562	-1.1	84	0.00
58	M2	n-propylbenzene	0.574	0.574	0.0	85	0.00
59	M2	4-chlorotoluene	0.549	0.541	1.5	82	0.00
60	M2	1,3,5-trimethylbenzene	1.833	1.780	2.9	81	0.00
61	M2	tert-butylbenzene	1.603	1.611	-0.5	85	0.00
62	M2	1,2,4-trimethylbenzene	1.825	1.772	2.9	82	0.00
63	M2	1.2-dibromo-3-chloropropane	0.111	0.079#	28.8#	68	0.00
64	I3	1,4-dichlorobenzene-d4	1.000	1.000	0.0	87	0.00
65	M3	1,3-dichlorobenzene	1.433	1.413	1.4	82	0.00
66	M3	p-isopropyltoluene	2.531	2.442	3.5	83	0.00
67	M3	sec-butylbenzene	3.180	3.204	-0.8	84	0.00
68	M3	1,4-dichlorobenzene	1.455	1.392	4.3	79	0.00
69	M3	1,2-dichlorobenzene	1.367	1.309	4.2	80	0.00
70	M3	n-butylbenzene	2.432	2.367	2.7	83	0.00
71	M3	1,2,4-trichlorobenzene	1.728	1.515	12.3	78	0.00
72	M3	hexachlorobutadiene	1.067	1.080	-1.2	84	0.00
73	M3	napthylene	1.855	1.411	23.9	69	0.00
74	M3	1,2,3-trichlorobenzene	1.623	1.416	12.8	75	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun23\
Data File : 1800017.D
Acq On : 24 Jun 2008 8:45 am
Operator : KEY
Sample : CC 8260 40ppb, 08-0001, 0101080000,
Misc : 1uL #376 + 1ul #376 + 5uL #372
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 24 09:03:50 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56:12 2008
QLast Update : Wed Jun 11 16:56:12 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) fluorbenzene	4.26	96	7838904	69.90	ug		0.00
40) chlorobenzene-d5	9.34	54	4355926+	69.90	ug		0.00
64) 1,4-dichlorobenzene-d4	13.71	154	3287038+	69.90	ug		0.00
System Monitoring Compounds							
22) dibromofluoromethane	2.91	113	4766073+	69.10	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 98.86%				
25) 1,2 dichloroethane-d4	3.35	104	1879452+	66.02	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 94.45%				
36) toluene-d8	6.91	100	4783483	69.20	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 99.00%				
55) 4-bromofluorobenzene	11.75	174	4806909+	69.92	ug		0.00
Spiked Amount 69.900	Range 65 - 135		Recovery = 100.03%				
Target Compounds							Qvalue
2) dichlorodifluoromethane	0.96	85	1794446	37.77	ug		99
3) chloromethane	1.02	50	1464085	38.89	ug		100
4) vinyl chloride	1.07	62	1554307	40.22	ug	#	99
5) acetone	1.50	58	483715+	22.96	ug	#	93
6) diethyl ether	1.54	74	1887558+	38.10	ug		95
7) bromomethane	1.20	94	1067279	42.88	ug		99
8) chloroethane	1.25	64	839303	42.48	ug		99
9) trichlorofluoromethane	1.44	101	2660813	44.38	ug		100
10) 1,1-dichloroethene	1.64	96	1215540	41.57	ug		96
11) methylene chloride	1.71	84	1278712	40.82	ug		99
12) 1,1,2-trichlorotrifluoroet	1.75	151	4120998+	43.34	ug		100
13) allyl chloride	1.76	78	2885368+	44.68	ug		99
14) trans 1,2-dichloroethene	2.06	96	1318401	40.70	ug		97
15) [MTBE] tert-butylmethyl et	2.15	73	2824781	37.21	ug		100
16) 1,1-dichloroethane	2.21	63	2256560	42.83	ug		99
17) [MEK] 2-butanone	2.55	72	831069+	27.26	ug		100
18) cis 1,2-dichloroethene	2.62	96	1371089	40.70	ug		98
19) 2,2-dichloropropane	2.86	77	2638598+	34.12	ug		94
20) bromochloromethane	2.75	128	1661848+	41.79	ug		92
21) chloroform (trichlorometha	2.81	83	2554294	38.77	ug		100
23) tetrahydrofruan	3.11	71	435632+	27.29	ug		98
24) 1,1,1-trichloroethane	3.51	97	3781091+	40.66	ug		100
26) 1,2 dichloroethane	3.43	62	1790867	38.82	ug		98
27) 1,1-dichloropropene	3.74	75	2021399	41.56	ug		98
28) benzene	3.96	78	4930768	40.20	ug		100
29) carbon tetrachloride	3.89	117	4157519+	41.22	ug		100
30) trichloroethene	4.79	130	3001108+	41.42	ug		99
31) 1,2-dichloropropane	4.72	63	1189452	39.01	ug		98
32) dibromomethane	4.64	174	859008	38.15	ug		97
33) bromodichloromethane	4.84	83	1782069	40.06	ug		98
34) cis 1,3-dichloropropene	5.83	75	1655003	36.09	ug		98
35) [MIBK] 4-methyl-2-pentanon	6.14	58	1419962+	30.00	ug		100
37) toluene	7.01	92	3163542	40.23	ug		100
38) trans 1,3-dichloropropene	6.56	75	1298522	32.27	ug		99
39) 1,1,2-trichloroethane	6.71	83	868782	37.18	ug		99
41) 1,3-dichloropropane	7.12	76	1702222	39.17	ug		97
42) dibromochloromethane	7.42	129	1274135	40.15	ug		97
43) tetrachloroethene	8.18	166	2778172+	42.25	ug		99

Quantitation Report (QT Reviewed)

Data Path : C:\MSDChem\1\DATA_0806jun23\
Data File : 1800017.D
Acq On : 24 Jun 2008 8:45 am
Operator : KEY
Sample : CC 8260 40ppb, 08-0001, 0101080000,
Misc : 1uL #376 + 1ul #376 + 5uL #372
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 24 09:03:50 2008
Quant Method : C:\MSDCHEM\1\5973N\4VRX8260.M
Quant Title : 5973_8260 - Method 524.2 List - Purgable Volatile Wed Jun 11 16:56
:12 2008
QLast Update : Wed Jun 11 16:56:12 2008
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 1,2-dibromoethane	7.80	107	1070012	37.11	ug		99
45) chlorobenzene	9.39	112	3432133	40.92	ug		95
46) 1,1,1,2-tetrachloroethane	9.28	131	2414588+	39.63	ug		99
47) ethylbenzene	9.90	91	7756502+	40.91	ug		100
48) m/p xylene	10.32	91	9375678	82.22	ug		99
49) styrene	10.91	104	3217408	38.62	ug		100
50) o-xylene	11.03	91	4788728	41.10	ug		100
51) bromoform	10.19	173	733733	35.01	ug		98
52) 1,1,2,2-tetrachloroethane	11.01	83	2017898+	35.18	ug		98
53) isopropylbenzene	11.80	105	5748884	40.45	ug		98
54) 1,2,3-trichloropropane	11.27	75	862115	34.07	ug		98
56) bromobenzene	12.01	156	1527746	40.10	ug		96
57) 2-chlorotoluene	12.66	126	1400184	40.40	ug		97
58) n-propylbenzene	12.64	120	1430863	39.98	ug		96
59) 4-chlorotoluene	12.80	126	1348788	39.40	ug		96
60) 1,3,5-trimethylbenzene	13.16	105	4437767	38.84	ug		99
61) tert-butylbenzene	13.42	119	4016421	40.21	ug		100
62) 1,2,4-trimethylbenzene	13.60	105	4416081	38.83	ug		100
63) 1.2-dibromo-3-chloropropan	14.49	157	196941	28.39	ug		96
65) 1,3-dichlorobenzene	13.65	146	2657491	39.43	ug		99
66) p-isopropyltoluene	13.93	119	4594045	38.60	ug		99
67) sec-butylbenzene	13.68	105	6025943	40.29	ug	#	97
68) 1,4-dichlorobenzene	13.74	146	2618011	38.27	ug		98
69) 1,2-dichlorobenzene	14.07	146	2461571	38.30	ug		99
70) n-butylbenzene	14.31	91	4452320	38.93	ug		100
71) 1,2,4-trichlorobenzene	15.43	180	2850263+	35.08	ug		99
72) hexachlorobutadiene	15.63	225	2030779+	40.46	ug		98
73) napthylene	15.56	128	2654786	30.43	ug	#	99
74) 1,2,3-trichlorobenzene	15.67	180	2664054+	34.90	ug		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed