LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060918\
Data File : VX002426.D
Acq On : 09 Jun 2018 17:29
Operator : JC/MD
Sample : J3396-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-07

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.075	76	80	94	rBV	1383220	1736824	100.00%	13.802%
2	1.270	108	112	115	rBV	22488	30931	1.78%	0.246%
3	1.325	115	121	128	rVV2	77966	262232	15.10%	2.084%
4	1.404	131	134	145	rVB	63804	106116	6.11%	0.843%
5	1.581	161	163	178	rVB2	26898	60056	3.46%	0.477%
6	1.788	193	197	209	rVB	118116	182108	10.49%	1.447%
7	2.002	228	232	241	rVB4	19289	34422	1.98%	0.274%
8	2.270	271	276	287	rVB	52025	85069	4.90%	0.676%
9	2.447	300	305	309	rVV	101207	177998	10.25%	1.415%
10	2.483	309	311	320	rVB	70476	103538	5.96%	0.823%
11	2.623	328	334	341	rBV	46387	86083	4.96%	0.684%
12	2.843	365	370	375	rBV3	12046	25333	1.46%	0.201%
13	2.934	380	385	396	rVB	23668	54012	3.11%	0.429%
14	3.172	417	424	431	rVB2	14455	33430	1.92%	0.266%
15	4.404	616	626	636	rVB2	15836	47369	2.73%	0.376%
16	5.507	796	807	816	rBV	138837	400740	23.07%	3.185%
17	5.666	824	833	860	rVB	211579	613383	35.32%	4.874%
18	6.074	889	900	918	rVV	159056	407712	23.47%	3.240%
19	6.458	956	963	973	rVB8	7361	22225	1.28%	0.177%
20	6.867	1020	1030	1051	rBV	314195	738635	42.53%	5.870%
21	7.464	1117	1128	1137	rVB3	19822	53899	3.10%	0.428%
22	8.720	1327	1334	1341	rBV	769260	1165446	67.10%	9.262%
23	9.043	1382	1387	1393	rVB3	12412	20965	1.21%	0.167%
24	10.116	1554	1563	1572	rBV2	659505	1005695	57.90%	7.992%
25	10.360	1592	1603	1609	rVB	119195	177462	10.22%	1.410%
26	10.659	1642	1652	1655	rBV7	8719	23012	1.32%	0.183%
27	10.701	1655	1659	1665	rVB	60599	83031	4.78%	0.660%
28	10.841	1671	1682	1687	rBV3	11192	21833	1.26%	0.174%
29	11.024	1707	1712	1716	rBV	32690	44542	2.56%	0.354%
30	11.140	1726	1731	1736	rBV	666550	821931	47.32%	6.532%
31	11.366	1763	1768	1776	rVB	40040	54192	3.12%	0.431%
32	11.457	1776	1783	1788	rBV	19347	39946	2.30%	0.317%
33	11.671	1812	1818	1825	rBV2	21683	35659	2.05%	0.283%
34	11.811	1837	1841	1848	rVB	44500	56917	3.28%	0.452%

LSC Area Percent Report

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Sample : J3396-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-07

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Title : SW846 8260

35	11.927	1852	1860	1861	rBV	22275	31392	1.81%	0.249%
36	11.951	1861	1864	1869	rVB	23489	29992	1.73%	0.238%
37	12.085	1880	1886	1892	rBV	732519	955378	55.01%	7.592%
38	12.305	1915	1922	1928	rBV2	174350	222522	12.81%	1.768%
39	12.372	1929	1933	1934	rBV	17775	19093	1.10%	0.152%
40	12.463	1943	1948	1954	rBV	32952	41607	2.40%	0.331%
41	12.670	1972	1982	1985	rBV	69555	95997	5.53%	0.763%
42	12.707	1985	1988	1993	rVV3	30228	48275	2.78%	0.384%
43	12.762	1993	1997	2004	rVV2	85988	136048	7.83%	1.081%
44	12.878	2012	2016	2017	rVV	18578	22685	1.31%	0.180%
45	12.902	2017	2020	2024	rVV	31507	42285	2.43%	0.336%
46	12.981	2025	2033	2038	rVV	64289	110790	6.38%	0.880%
47	13.030	2038	2041	2047	rVV4	13816	25167	1.45%	0.200%
48	13.091	2047	2051	2057	rVB4	13419	22925	1.32%	0.182%
49	13.201	2064	2069	2071	rBV2	34625	45752	2.63%	0.364%
50	13.231	2071	2074	2077	rVB	28248	31085	1.79%	0.247%
51	13.353	2089	2094	2099	rVB2	146498	211987	12.21%	1.685%
52	13.481	2109	2115	2124	rVB8	10239	22823	1.31%	0.181%
53	13.573	2126	2130	2133	rBV4	16398	25183	1.45%	0.200%
54	13.640	2138	2141	2145	rBV3	24057	35807	2.06%	0.285%
55	13.682	2145	2148	2150	rBV2	22026	28041	1.61%	0.223%
56	13.725	2153	2155	2164	rVB3	25164	45420	2.62%	0.361%
57	13.835	2166	2173	2174	rBV4	16934	28259	1.63%	0.225%
58	13.914	2181	2186	2191	rVB3	54689	76424	4.40%	0.607%
59	13.987	2195	2198	2202	rVV2	38359	54685	3.15%	0.435%
60	14.036	2202	2206	2211	rVB5	13344	20039	1.15%	0.159%
61	14.097	2212	2216	2219	rVV	62351	62119	3.58%	0.494%
62	14.286	2242	2247	2257	rVB4	31979	69242	3.99%	0.550%
63	14.383	2257	2263	2267	rBV	33754	54532	3.14%	0.433%
64	14.438	2268	2272	2275	rVV2	20434	30845	1.78%	0.245%
65	14.481	2275	2279	2284	rVB7	13385	28194	1.62%	0.224%
66	14.542	2284	2289	2298	rBV5	29309	81832	4.71%	0.650%
67	14.627	2299	2303	2307	rVV3	13098	23952	1.38%	0.190%
68	14.676	2307	2311	2317	rVV4	45175	63764	3.67%	0.507%
69	14.731	2317	2320	2324	rVB5	18270	24854	1.43%	0.198%
70	14.816	2330	2334	2336	rBV	156056	176448	10.16%	1.402%
71	14.847	2336	2339	2344	rVB2	171140	231971	13.36%	1.843%

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ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-07

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Title : SW846 8260

72	14.987	2357	2362	2367	rBV9	9465	20537	1.18%	0.163%
73	15.164	2388	2391	2394	rBV2	13676	20204	1.16%	0.161%
74	15.249	2401	2405	2407	rBV3	26538	35387	2.04%	0.281%
75	15.280	2407	2410	2414	rVV	55033	70184	4.04%	0.558%
76	15.347	2418	2421	2425	rVB2	23262	31888	1.84%	0.253%
77	15.566	2451	2457	2462	rBV2	120673	172914	9.96%	1.374%
78	15.694	2472	2478	2482	rBV3	18570	36057	2.08%	0.287%
79	15.731	2482	2484	2491	rVB4	21384	32203	1.85%	0.256%
80	15.816	2494	2498	2503	rVB3	13843	25918	1.49%	0.206%
81	15.895	2506	2511	2514	rBV	16234	29103	1.68%	0.231%
82	16.694	2639	2642	2652	rVB10	8233	19018	1.09%	0.151%

Sum of corrected areas: 12583573

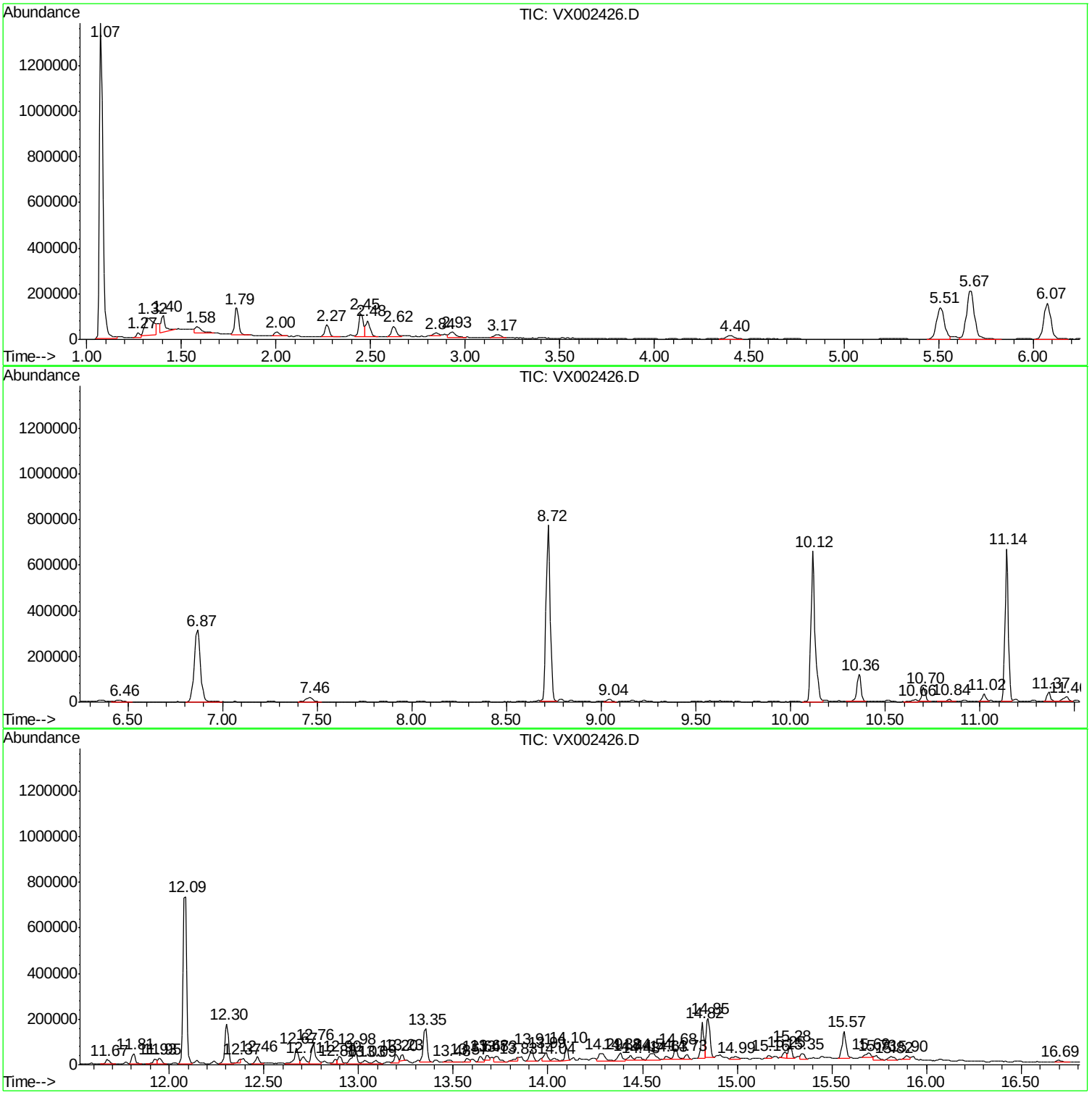
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060918\
Data File : VX002426.D
Acq On : 09 Jun 2018 17:29
Operator : JC/MD
Sample : J3396-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-07

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060918\
Data File : VX002426.D
Acq On : 09 Jun 2018 17:29
Operator : JC/MD
Sample : J3396-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-07

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 1 Sulfur dioxide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.32	21.38 ug/l	262232	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3

****

Peak Number 2 Butane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.40	8.65 ug/l	106116	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	72
2	Isobutane	58	C4H10	000075-28-5	46
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	39
4	1-Nitro-2-propanone	103	C3H5NO3	010230-68-9	9
5	Butanal, 2,2-dimethyl-	100	C6H12O	002094-75-9	9

****

Peak Number 3 Butane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.79	14.84 ug/l	182108	Pentafluorobenzene	5.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Pentane	72	C5H12	000109-66-0	38
3	3-Buten-1-ol	72	C4H8O	000627-27-0	28
4	Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	10
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	9

****

Peak Number 4 Indane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.

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Acq On : 09 Jun 2018 17:29
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Sample : J3396-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : W-07

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

12.30	11.65 ug/l	222522	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	76
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	55

****

Peak Number 5 1-Phenyl-1-butene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	7.12 ug/l	136048	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	90
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	90
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	90

****

Peak Number 6 Benzene, 2-butenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	11.09 ug/l	211987	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70
2	Indan, 1-methyl-	132	C10H12	000767-58-8	70
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	70
4	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	70
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70

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Peak Number 7 Tetradecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	9.23 ug/l	176448	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual

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Instrument : MSVOA_X
ClientSampleId : W-07

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

1	Tetradecane	198	C14H30	000629-59-4 98
2	Tridecane	184	C13H28	000629-50-5 90
3	Dodecane	170	C12H26	000112-40-3 90
4	Hexadecane	226	C16H34	000544-76-3 87
5	Pentadecane	212	C15H32	000629-62-9 86

****

Peak Number 8 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	12.14 ug/l	231971	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	90
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	90
3	Benzocycloheptatriene	142	C11H10	000264-09-5	87
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	87
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	83

****

Peak Number 9 Pentadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	9.05 ug/l	172914	1,4-Dichlorobenzene-d4	12.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	95
2	Undecane	156	C11H24	001120-21-4	91
3	Tridecane	184	C13H28	000629-50-5	83
4	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	80
5	Tetradecane	198	C14H30	000629-59-4	80

Tentatively Identified Compound (LSC) summary

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ALS Vial : 11 Sample Multiplier: 1

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ClientSampleId : W-07

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060418W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.32	21.4	ug/l	262232	1	5.67	613383	50.0
Butane	1.40	8.7	ug/l	106116	1	5.67	613383	50.0
Butane, 2-methyl-	1.79	14.8	ug/l	182108	1	5.67	613383	50.0
Indane	12.30	11.7	ug/l	222522	4	12.09	955378	50.0
1-Phenyl-1-butene	12.76	7.1	ug/l	136048	4	12.09	955378	50.0
Benzene, 2-butenyl-	13.35	11.1	ug/l	211987	4	12.09	955378	50.0
Tetradecane	14.82	9.2	ug/l	176448	4	12.09	955378	50.0
Naphthalene, 1-me...	14.85	12.1	ug/l	231971	4	12.09	955378	50.0
Pentadecane	15.57	9.1	ug/l	172914	4	12.09	955378	50.0