LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
Data File : VN049330.D
Acq On : 17 Jun 2018 00:12
Operator : MD\SY
Sample : J3435-05 50X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW12

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_N\METHODS\82N061618W.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	1.657	10	21	46	rBV	1774257	2661365	8.05%	1.982%
2	2.018	115	133	143	rBV3	174311	398820	1.21%	0.297%
3	2.182	173	184	197	rBV	917923	1311659	3.97%	0.977%
4	2.805	363	378	397	rVB	2484890	5052710	15.29%	3.763%
5	3.056	445	456	467	rBV	227803	453618	1.37%	0.338%
6	3.137	467	481	506	rVB2	928378	2193317	6.64%	1.634%
7	3.317	522	537	560	rVB	625017	1397203	4.23%	1.041%
8	3.474	560	586	599	rVV2	340546	821658	2.49%	0.612%
9	3.561	599	613	637	rVB	683292	1659590	5.02%	1.236%
10	4.426	863	882	899	rBV4	148115	448484	1.36%	0.334%
11	5.053	1055	1077	1105	rVB3	151676	539692	1.63%	0.402%
12	6.159	1408	1421	1444	rBV2	107690	421774	1.28%	0.314%
13	6.628	1543	1567	1586	rBV3	634992	2029962	6.14%	1.512%
14	7.593	1847	1867	1877	rBV	978006	2468012	7.47%	1.838%
15	7.667	1877	1890	1912	rVB2	1839736	4655872	14.09%	3.468%
16	8.030	1986	2003	2026	rBV	1019090	2461003	7.45%	1.833%
17	8.178	2028	2049	2060	rBV4	177985	568339	1.72%	0.423%
18	8.586	2160	2176	2214	rBV	2130190	4749290	14.37%	3.537%
19	9.078	2301	2329	2349	rBV5	168953	485923	1.47%	0.362%
20	10.094	2630	2645	2655	rBV	3843886	7168889	21.69%	5.339%
21	10.159	2655	2665	2700	rVB	4070292	7877467	23.83%	5.867%
22	11.409	3039	3054	3073	rBV	2757766	5026974	15.21%	3.744%
23	11.512	3073	3086	3104	rVV	6071830	10047392	30.40%	7.483%
24	11.618	3104	3119	3145	rVB	17785216	33050824	100.00%	24.617%
25	11.950	3196	3222	3244	rBV	6150738	10100298	30.56%	7.523%
26	12.403	3349	3363	3381	rBV	2506111	4271888	12.93%	3.182%
27	12.593	3409	3422	3431	rBV	436479	695148	2.10%	0.518%
28	12.657	3431	3442	3449	rBV	2140374	3589683	10.86%	2.674%
29	12.734	3459	3466	3480	rVB	1054379	1665274	5.04%	1.240%
30	12.895	3502	3516	3532	rVB	970907	1593799	4.82%	1.187%
31	13.043	3548	3562	3576	rBV	4047978	6295020	19.05%	4.689%
32	13.345	3644	3656	3663	rBV	2365288	4294868	12.99%	3.199%
33	13.544	3696	3718	3727	rBV	1344249	2319408	7.02%	1.728%
34	13.998	3850	3859	3876	rVB2	215648	356920	1.08%	0.266%

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Title : SW846 8260

35	14.596	4032	4045	4057	rBV2	282306	528592	1.60%	0.394%
36	15.136	4201	4213	4226	rVB	340968	601130	1.82%	0.448%

Sum of corrected areas: 134261865

LSC Report - Integrated Chromatogram

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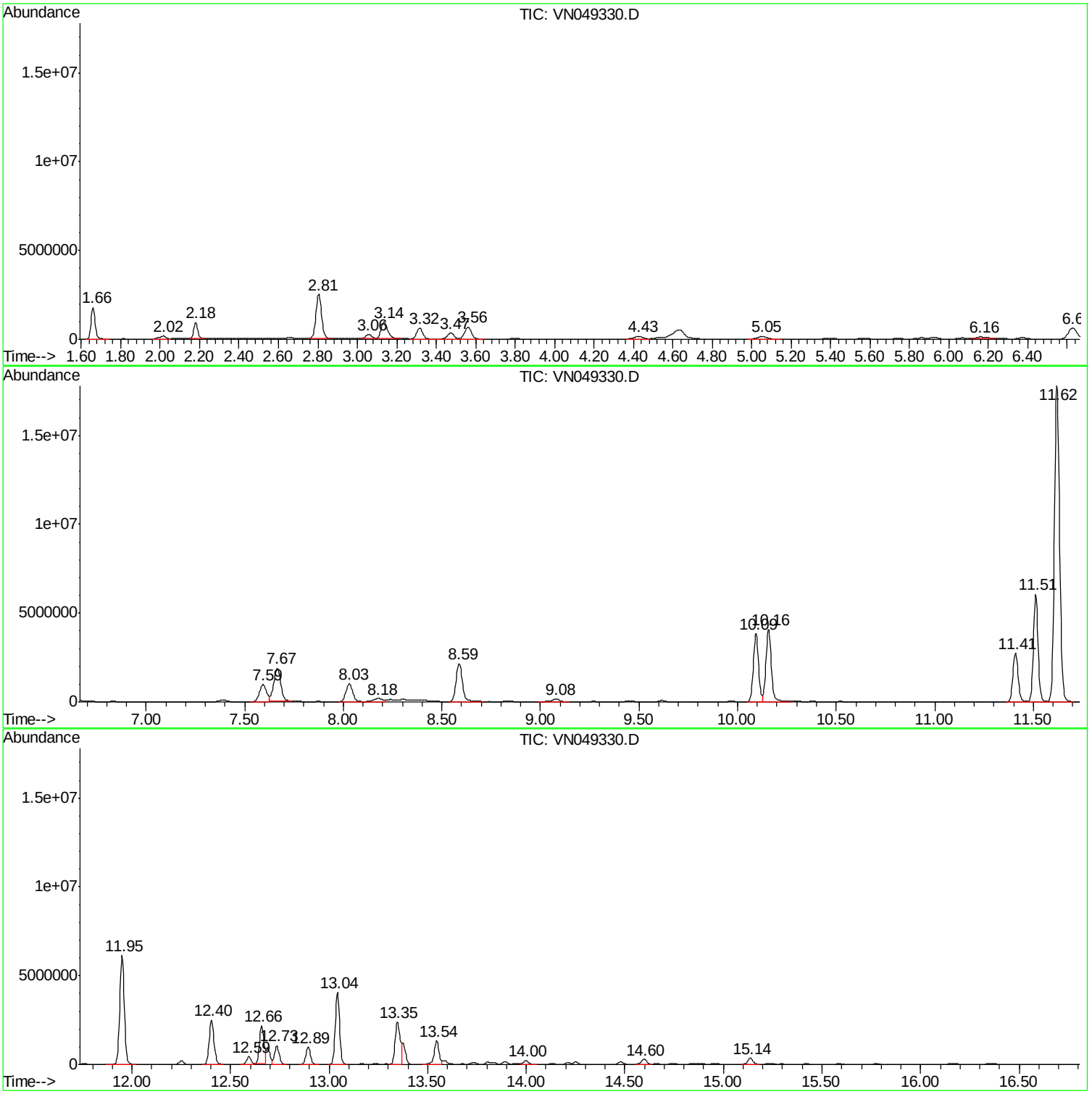
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260

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



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Quant Title : SW846 8260

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

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Peak Number 1 Butane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	14.09 ug/l	1311660	Pentafluorobenzene	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	72
2	Isobutane	58	C4H10	000075-28-5	9
3	Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	9
4	Propane, 1-nitro-	89	C3H7NO2	000108-03-2	9
5	Diazene, dimethyl-	58	C2H6N2	000503-28-6	4

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Peak Number 2 Butane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.81	54.26 ug/l	5052710	Pentafluorobenzene	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	3-Buten-1-ol	72	C4H8O	000627-27-0	47
3	Pentane	72	C5H12	000109-66-0	45
4	1-Propene, 2-methyl-	56	C4H8	000115-11-7	9
5	1-Butene	56	C4H8	000106-98-9	9

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Peak Number 3 Pentane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	23.55 ug/l	2193320	Pentafluorobenzene	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Oxirane, ethyl-	72	C4H8O	000106-88-7	50
3	Butane, 2-methyl-	72	C5H12	000078-78-4	42
4	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	38
5	Butanal, 2-ethyl-	100	C6H12O	000097-96-1	9

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Peak Number 4 2-Methyl-1-butene Concentration Rank 9

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

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ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW12

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260

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

3.32	15.00 ug/l	1397200	Pentafluorobenzene	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-1-butene	70	C5H10	000563-46-2	91
2	2-Pentene, (Z)-	70	C5H10	000627-20-3	91
3	2-Pentene	70	C5H10	000109-68-2	91
4	2-Pentene, (E)-	70	C5H10	000646-04-8	91
5	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	90

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Peak Number 5 Cyclopropane, 1,2-dimethyl-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.56	17.82 ug/l	1659590	Pentafluorobenzene	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
2	2-Butene, 2-methyl-	70	C5H10	000513-35-9	91
3	2-Pentene, (E)-	70	C5H10	000646-04-8	87
4	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	81
5	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	80

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Peak Number 6 Cyclopentane, methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	21.80 ug/l	2029960	Pentafluorobenzene	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
4	Cyclohexane	84	C6H12	000110-82-7	50
5	Cyclobutane	56	C4H8	000287-23-0	47

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Peak Number 7 Benzene, 1-ethyl-3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	41.79 ug/l	3589680	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual

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Instrument : MSVOA_N
ClientSampleId : MW12

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260

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

1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4 97
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3 95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8 91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6 91
5	Mesitylene	120	C9H12	000108-67-8 91

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Peak Number 8 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	18.55 ug/l	1593800	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91

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Peak Number 9 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	27.00 ug/l	2319410	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	74
5	7-Methylenecycloocta-1,3,5-triene	118	C9H10	002570-13-0	72

Tentatively Identified Compound (LSC) summary

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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
Butane	2.18	14.1	ug/l	1311660	1	7.67	4655870	50.0
Butane, 2-methyl-	2.81	54.3	ug/l	5052710	1	7.67	4655870	50.0
Pentane	3.14	23.6	ug/l	2193320	1	7.67	4655870	50.0
2-Methyl-1-butene	3.32	15.0	ug/l	1397200	1	7.67	4655870	50.0
Cyclopropane, 1,2...	3.56	17.8	ug/l	1659590	1	7.67	4655870	50.0
Cyclopentane, met...	6.63	21.8	ug/l	2029960	1	7.67	4655870	50.0
Benzene, 1-ethyl-...	12.66	41.8	ug/l	3589680	4	13.35	4294870	50.0
Benzene, 1-ethyl-...	12.90	18.6	ug/l	1593800	4	13.35	4294870	50.0
Indane	13.54	27.0	ug/l	2319410	4	13.35	4294870	50.0