LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN061618\
Data File : VN049316.D
Acq On : 16 Jun 2018 18:12
Operator : MD\SY
Sample : J3564-02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : MW-20

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	6	21	49	rBV	5902642	8727463	100.00%	13.065%
2	1.992	115	125	141	rBV	163978	316456	3.63%	0.474%
3	7.593	1845	1867	1878	rBV2	1161485	2927617	33.54%	4.383%
4	7.667	1878	1890	1927	rVB	1745275	4287660	49.13%	6.419%
5	8.030	1983	2003	2029	rBV	1152146	2741017	31.41%	4.103%
6	8.586	2160	2176	2209	rBV	2506401	5405712	61.94%	8.092%
7	10.091	2629	2644	2678	rBV	4566141	8675346	99.40%	12.987%
8	10.435	2742	2751	2762	rVB3	68124	132564	1.52%	0.198%
9	10.528	2762	2780	2792	rBV10	33028	92283	1.06%	0.138%
10	11.410	3040	3054	3074	rBV	3348408	5984281	68.57%	8.958%
11	12.120	3269	3275	3287	rVB3	63925	105856	1.21%	0.158%
12	12.252	3307	3316	3330	rVB	346522	562298	6.44%	0.842%
13	12.403	3351	3363	3379	rBV	2877445	4946619	56.68%	7.405%
14	12.593	3414	3422	3433	rVB	356111	579430	6.64%	0.867%
15	13.159	3590	3598	3610	rVB3	181580	384287	4.40%	0.575%
16	13.345	3644	3656	3671	rBV	2763593	4672386	53.54%	6.995%
17	13.445	3680	3687	3700	rBV	225260	339166	3.89%	0.508%
18	13.544	3702	3718	3729	rVV	1355105	2339778	26.81%	3.503%
19	13.670	3746	3757	3770	rVB4	413835	806290	9.24%	1.207%
20	13.889	3819	3825	3834	rVB2	204205	309289	3.54%	0.463%
21	13.950	3836	3844	3848	rBV	168296	242666	2.78%	0.363%
22	13.998	3848	3859	3869	rVB4	1230414	2109206	24.17%	3.157%
23	14.133	3891	3901	3908	rBV	384596	653545	7.49%	0.978%
24	14.178	3909	3915	3919	rVV5	274193	445586	5.11%	0.667%
25	14.213	3921	3926	3941	rVB3	445881	824504	9.45%	1.234%
26	14.332	3955	3963	3971	rVB2	213248	329717	3.78%	0.494%
27	14.432	3985	3994	4002	rVB3	356506	585999	6.71%	0.877%
28	14.490	4004	4012	4020	rVB5	226290	367994	4.22%	0.551%
29	14.589	4033	4043	4056	rBV6	515177	1099397	12.60%	1.646%
30	14.663	4060	4066	4073	rVV3	187490	300552	3.44%	0.450%
31	14.708	4075	4080	4089	rVB2	122453	175087	2.01%	0.262%
32	14.892	4131	4137	4140	rBV3	173683	226406	2.59%	0.339%
33	15.049	4181	4186	4195	rVB	247874	347815	3.99%	0.521%
34	15.194	4220	4231	4240	rBV	839931	1494284	17.12%	2.237%

LSC Area Percent Report

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

35	15.265	4245	4253	4270	rVB	903618	1771109	20.29%	2.651%
36	15.490	4314	4323	4334	rBV4	284993	511751	5.86%	0.766%
37	16.358	4581	4593	4605	rBV2	418928	979265	11.22%	1.466%

Sum of corrected areas: 66800681

LSC Report - Integrated Chromatogram

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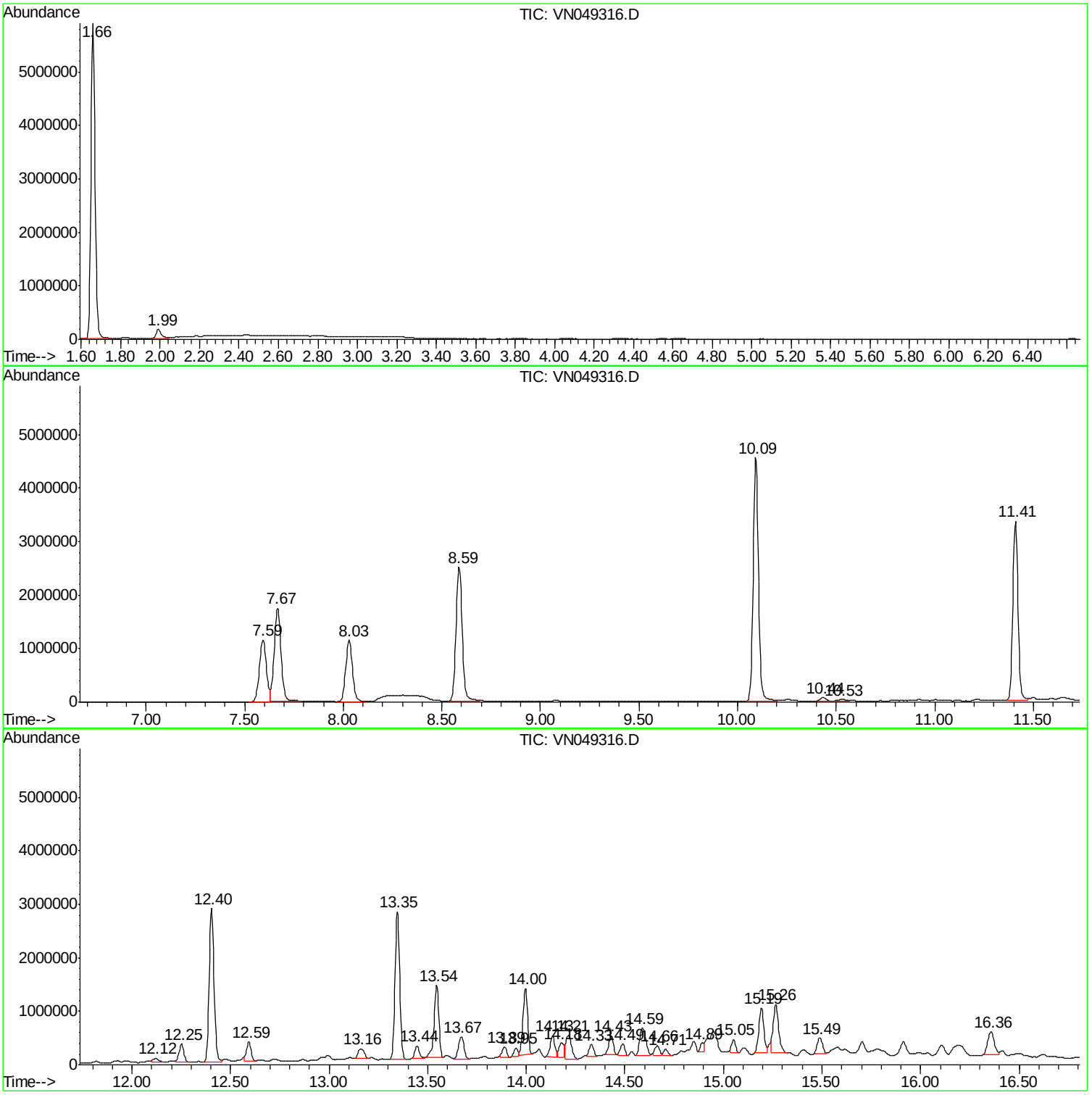
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260

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



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Quant Title : SW846 8260

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TIC Integration Parameters: LSCINT.P

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Peak Number 1 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	25.04 ug/l	2339780	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
3	Deltacyclene	118	C9H10	007785-10-6	72
4	1,3-Methanopentalene, 1,2,3,5-te...	118	C9H10	128600-88-4	64
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	59

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Peak Number 2 Benzene, 1,2-diethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	8.63 ug/l	806290	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	55
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	55
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	55
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	50

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Peak Number 3 1-Phenyl-1-butene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	22.57 ug/l	2109210	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	76
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	64
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	64
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	62

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Peak Number 4 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 10

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

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Instrument : MSVOA_N
ClientSampleId : MW-20

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	6.99 ug/l	653545	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	95
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	90
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	87

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Peak Number 5 Benzene, 1-methyl-3-(1-meth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	8.82 ug/l	824504	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	83
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	83
4	p-Cymene	134	C10H14	000099-87-6	81
5	5H-5-Methyl-6,7-dihydrocyclopent...	134	C8H10N2	023747-48-0	80

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Peak Number 6 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	11.76 ug/l	1099400	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	64
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	60
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	58
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	58

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Peak Number 7 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	15.99 ug/l	1494280	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual

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ClientSampleId : MW-20

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Quant Title : SW846 8260

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

1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	91
2	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	68
3	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	62
4	2,6-Piperidinedione, 3-phenyl-	189	C11H11NO2	014149-34-9	50
5	Naphthalene, 2-ethyl-1,2,3,4-tet...	160	C12H16	032367-54-7	47

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Peak Number 8 2,2-Dimethylindene, 2,3-dih... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	18.95 ug/l	1771110	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	95
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	94
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	91
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	90
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	90

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Peak Number 9 unknown16.36 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.36	10.48 ug/l	979265	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	38
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	38
3	Isoquinolinium, 2-methyl-, iodide	271	C10H10IN	003947-77-1	35
4	(1-Ethylbuta-1,3-dienyl)benzene	158	C12H14	1000210-05-6	35
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	22

Tentatively Identified Compound (LSC) summary

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					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Indane	13.54	25.0	ug/l	2339780	4	13.35	4672390	50.0
Benzene, 1,2-diet...	13.67	8.6	ug/l	806290	4	13.35	4672390	50.0
1-Phenyl-1-butene	14.00	22.6	ug/l	2109210	4	13.35	4672390	50.0
1H-Indene, 2,3-di...	14.13	7.0	ug/l	653545	4	13.35	4672390	50.0
Benzene, 1-methyl...	14.21	8.8	ug/l	824504	4	13.35	4672390	50.0
1,3-Cyclopentadie...	14.59	11.8	ug/l	1099400	4	13.35	4672390	50.0
Naphthalene, 1,2,...	15.19	16.0	ug/l	1494280	4	13.35	4672390	50.0
2,2-Dimethylinden...	15.26	18.9	ug/l	1771110	4	13.35	4672390	50.0
unknown16.36	16.36	10.5	ug/l	979265	4	13.35	4672390	50.0