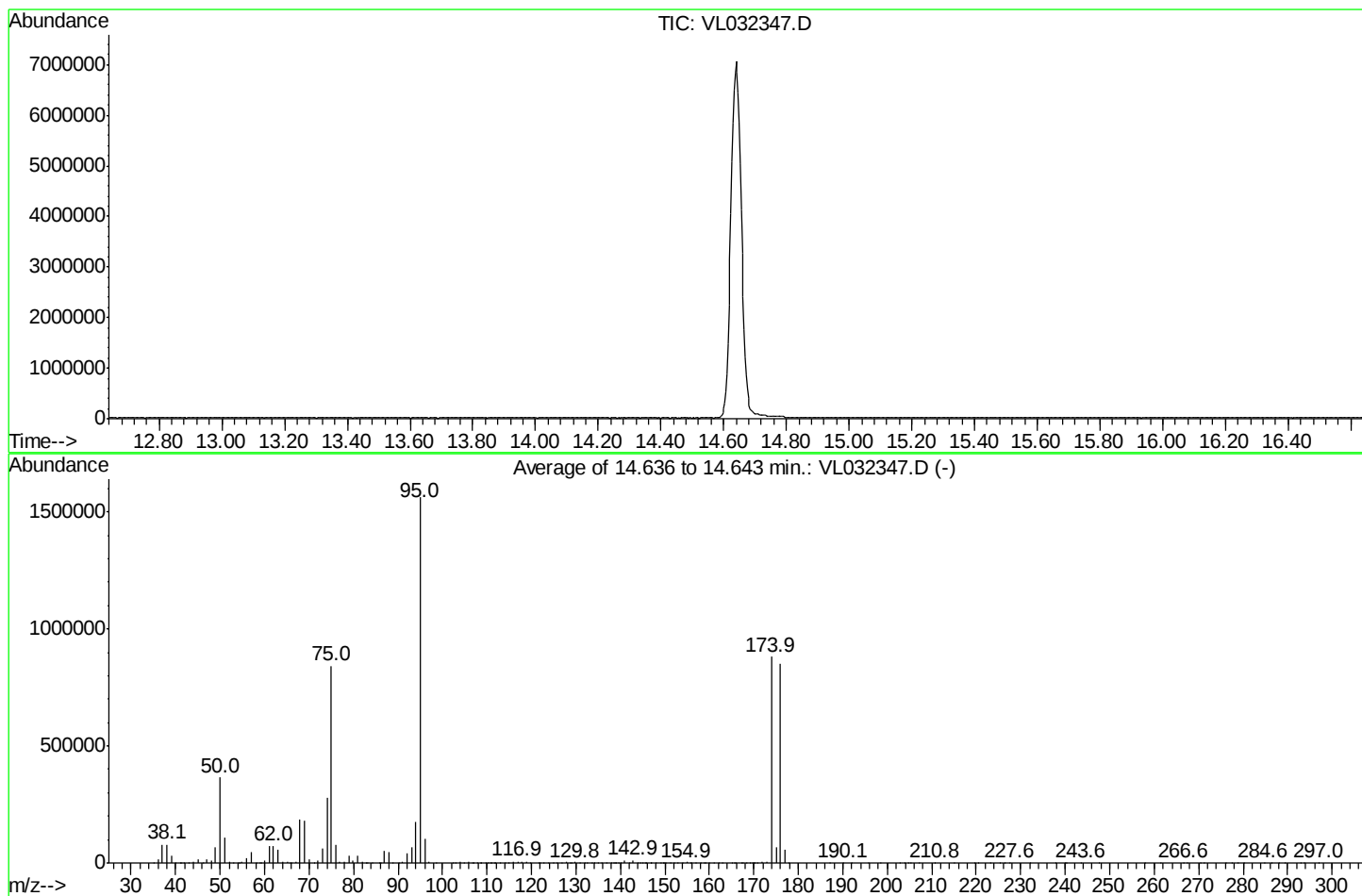


Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081518\
 Data File : VL032347.D
 Acq On : 15 Aug 2018 9:07
 Operator : SY/AP
 Sample : BFB
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Integration File: RTEINT.P

Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
 Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Jul 27 07:05:37 2018
 Last Update : Fri Jul 27 07:05:37 2018



AutoFind: Scans 4214, 4215, 4216; Background Corrected with Scan 4191

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	23.4	364864	PASS
75	95	30	66	53.8	840576	PASS
95	95	100	100	100.0	1561770	PASS
96	95	5	9	6.7	105277	PASS
173	174	0.00	2	0.9	7632	PASS
174	95	50	120	56.5	881770	PASS
175	174	4	9	7.4	65394	PASS
176	174	93	101	96.6	851989	PASS
177	176	5	9	6.7	57290	PASS

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081518\
 Data File : VL032376.D
 Acq On : 16 Aug 2018 8:36
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Quant Time: Aug 16 09:07:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	10.000	10.000	0.0	62	0.00
2 T	Dichlorodifluoromethane	10.000	12.106	-21.1	76	0.00
3	Chlorodifluoromethane	10.000	9.375	6.3	63	0.00
4	Chloromethane	10.000	9.306	6.9	62	0.00
5 T	Vinyl Chloride	10.000	9.485	5.2	64	0.00
6 T	Bromomethane	10.000	9.737	2.6	63	0.00
7	Chloroethane	10.000	9.547	4.5	64	0.00
8 T	Dichlorotetrafluoroethane	10.000	9.439	5.6	66	0.00
9 T	Propene	10.000	10.495	-4.9	63	0.00
10 T	Heptane	10.000	11.887	-18.9	74	0.00
11 T	Trichlorofluoromethane	10.000	9.865	1.3	69	0.00
12 T	1,1,2-Trichlorotrifluoroeth	10.000	9.624	3.8	66	0.00
13	Ethanol	10.000	10.920	-9.2	70	0.00
14 T	Bromoethene	10.000	10.136	-1.4	66	0.00
15 T	Acetone	10.000	8.766	12.3	66	0.00
16 T	1,3-Butadiene	10.000	10.932	-9.3	73	0.00
17	tert-Butyl alcohol	10.000	11.478	-14.8	79	0.00
18 T	1,1-Dichloroethene	10.000	10.161	-1.6	67	0.00
19 T	Isopropyl Alcohol	10.000	10.968	-9.7	72	0.00
20 T	Methylene Chloride	10.000	8.586	14.1	65	0.00
21 T	Allyl Chloride	10.000	10.746	-7.5	67	0.00
22 T	trans-1,2-Dichloroethene	10.000	10.032	-0.3	60	0.00
23 T	Vinyl Acetate	10.000	9.691	3.1	57	0.00
24 T	1,1-Dichloroethane	10.000	9.056	9.4	56	0.00
25 T	Ethyl Acetate	10.000	9.976	0.2	64	0.00
26 T	Hexane	10.000	9.804	2.0	61	0.00
27 T	Carbon Disulfide	10.000	10.998	-10.0	66	0.00
28 T	Methyl tert-Butyl Ether	10.000	10.873	-8.7	61	0.00
29 T	Chloroform	10.000	9.900	1.0	62	0.00
30 T	Cyclohexane	10.000	10.723	-7.2	64	0.00
31 T	cis-1,2-Dichloroethene	10.000	11.403	-14.0	69	0.00
32 T	1,1,1-Trichloroethane	10.000	10.903	-9.0	70	0.00
33 I	1,4-Difluorobenzene	10.000	10.000	0.0	70	0.00
34 T	2-Butanone	10.000	9.619	3.8	66	0.00
35 T	Carbon Tetrachloride	10.000	9.733	2.7	65	0.00
36 T	Benzene	10.000	9.764	2.4	64	0.00
37 T	1,2-Dichloroethane	10.000	9.698	3.0	69	0.00
38 T	Trichloroethene	10.000	9.600	4.0	66	0.00
39 T	1,2-Dichloropropane	10.000	9.626	3.7	64	0.00
40 T	1,4-Dioxane	10.000	10.926	-9.3	66	0.00
41 T	Tetrahydrofuran	10.000	10.615	-6.2	68	0.00
42 T	Bromodichloromethane	10.000	9.993	0.1	67	0.00
43	Methyl Methacrylate	10.000	10.663	-6.6	67	0.00
44 T	2,2,4-Trimethylpentane	10.000	9.582	4.2	65	0.00
45 T	t-1,3-Dichloropropene	10.000	11.949	-19.5	73	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081518\
 Data File : VL032376.D
 Acq On : 16 Aug 2018 8:36
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Quant Time: Aug 16 09:07:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	cis-1,3-Dichloropropene	10.000	11.285	-12.9	73	0.00
47 T	1,1,2-Trichloroethane	10.000	9.486	5.1	67	0.00
48 T	Dibromochloromethane	10.000	10.611	-6.1	69	0.00
49 T	Bromoform	10.000	10.072	-0.7	66	0.00
50 T	4-Methyl-2-Pentanone	10.000	9.490	5.1	68	0.00
51 T	2-Hexanone	10.000	10.820	-8.2	61	0.00
52 T	Tetrachloroethene	10.000	10.405	-4.0	69	0.00
53 T	Toluene	10.000	10.592	-5.9	64	0.00
54 T	1,2-Dibromoethane	10.000	10.257	-2.6	68	0.00
55 I	Chlorobenzene-d5	10.000	10.000	0.0	67	0.00
56	1,1,1,2-Tetrachloroethane	10.000	9.550	4.5	67	0.00
57 T	Chlorobenzene	10.000	9.504	5.0	67	0.00
58 T	Ethyl Benzene	10.000	11.233	-12.3	70	0.00
59 T	m/p-Xylene	20.000	22.168	-10.8	73	0.00
60 T	o-Xylene	10.000	10.410	-4.1	69	0.00
61 T	Styrene	10.000	11.725	-17.2	68	0.00
62	Isopropylbenzene	10.000	10.549	-5.5	70	0.00
63 T	1,1,2,2-Tetrachloroethane	10.000	8.934	10.7	66	0.00
64	n-propylbenzene	10.000	10.526	-5.3	68	0.00
65	tert-Butylbenzene	10.000	10.179	-1.8	69	0.00
66 T	Benzyl Chloride	10.000	11.736	-17.4	66	0.00
67	sec-Butylbenzene	10.000	10.413	-4.1	70	0.00
68 S	1-Bromo-4-Fluorobenzene	10.000	10.256	-2.6	68	0.00
69	p-Isopropyltoluene	10.000	10.839	-8.4	70	0.00
70	n-Butylbenzene	10.000	10.937	-9.4	70	0.00
71	2-Chlorotoluene	10.000	10.878	-8.8	69	0.00
72 T	4-Ethyltoluene	10.000	11.309	-13.1	70	0.00
73 T	1,3,5-Trimethylbenzene	10.000	11.094	-10.9	70	0.00
74 T	1,2,4-Trimethylbenzene	10.000	10.307	-3.1	69	0.00
75 T	1,3-Dichlorobenzene	10.000	9.426	5.7	67	0.00
76 T	1,4-Dichlorobenzene	10.000	10.135	-1.3	67	0.00
77 T	1,2-Dichlorobenzene	10.000	9.970	0.3	68	0.00
78 T	Hexachloro-1,3-Butadiene	10.000	11.094	-10.9	84	0.00
79 T	Naphthalene	10.000	10.822	-8.2	69	0.00
80 T	Naphthalene,2-methyl-	10.000	22.249	-122.5#	70	0.00
81 T	1,2,4-Trichlorobenzene	10.000	12.226	-22.3	67	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081518\
 Data File : VL032355.D
 Acq On : 15 Aug 2018 15:15
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Quant Time: Aug 16 05:50:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	10.000	10.000	0.0	93	0.00
2 T	Dichlorodifluoromethane	10.000	12.995	-29.9	122	0.00
3	Chlorodifluoromethane	10.000	9.431	5.7	94	0.00
4	Chloromethane	10.000	9.645	3.6	95	0.00
5 T	Vinyl Chloride	10.000	9.732	2.7	97	0.00
6 T	Bromomethane	10.000	9.850	1.5	95	0.00
7	Chloroethane	10.000	9.804	2.0	98	0.00
8 T	Dichlorotetrafluoroethane	10.000	9.146	8.5	95	0.00
9 T	Propene	10.000	10.294	-2.9	92	0.00
10 T	Heptane	10.000	10.920	-9.2	101	0.00
11 T	Trichlorofluoromethane	10.000	9.374	6.3	98	0.00
12 T	1,1,2-Trichlorotrifluoroeth	10.000	9.369	6.3	95	0.00
13	Ethanol	10.000	10.799	-8.0	103	0.00
14 T	Bromoethene	10.000	9.915	0.9	97	0.00
15 T	Acetone	10.000	8.710	12.9	98	0.00
16 T	1,3-Butadiene	10.000	11.256	-12.6	112	0.00
17	tert-Butyl alcohol	10.000	9.875	1.3	101	0.00
18 T	1,1-Dichloroethene	10.000	9.757	2.4	95	0.00
19 T	Isopropyl Alcohol	10.000	10.216	-2.2	99	0.00
20 T	Methylene Chloride	10.000	8.468	15.3	96	0.00
21 T	Allyl Chloride	10.000	10.182	-1.8	95	0.00
22 T	trans-1,2-Dichloroethene	10.000	9.272	7.3	83	0.00
23 T	Vinyl Acetate	10.000	9.624	3.8	84	0.00
24 T	1,1-Dichloroethane	10.000	9.256	7.4	86	0.00
25 T	Ethyl Acetate	10.000	9.633	3.7	91	0.00
26 T	Hexane	10.000	9.915	0.9	91	0.00
27 T	Carbon Disulfide	10.000	10.229	-2.3	91	0.00
28 T	Methyl tert-Butyl Ether	10.000	9.931	0.7	83	0.00
29 T	Chloroform	10.000	9.677	3.2	91	0.00
30 T	Cyclohexane	10.000	11.049	-10.5	99	0.00
31 T	cis-1,2-Dichloroethene	10.000	10.537	-5.4	94	0.00
32 T	1,1,1-Trichloroethane	10.000	9.673	3.3	93	0.00
33 I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
34 T	2-Butanone	10.000	9.723	2.8	95	0.00
35 T	Carbon Tetrachloride	10.000	9.776	2.2	92	0.00
36 T	Benzene	10.000	9.700	3.0	91	0.00
37 T	1,2-Dichloroethane	10.000	9.310	6.9	94	0.00
38 T	Trichloroethene	10.000	9.676	3.2	94	0.00
39 T	1,2-Dichloropropane	10.000	9.776	2.2	93	0.00
40 T	1,4-Dioxane	10.000	10.884	-8.8	93	0.00
41 T	Tetrahydrofuran	10.000	10.693	-6.9	97	0.00
42 T	Bromodichloromethane	10.000	9.753	2.5	93	0.00
43	Methyl Methacrylate	10.000	10.554	-5.5	94	0.00
44 T	2,2,4-Trimethylpentane	10.000	9.888	1.1	96	0.00
45 T	t-1,3-Dichloropropene	10.000	11.182	-11.8	97	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081518\
 Data File : VL032355.D
 Acq On : 15 Aug 2018 15:15
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Quant Time: Aug 16 05:50:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	cis-1,3-Dichloropropene	10.000	11.149	-11.5	102	0.00
47 T	1,1,2-Trichloroethane	10.000	9.232	7.7	93	0.00
48 T	Dibromochloromethane	10.000	9.864	1.4	91	0.00
49 T	Bromoform	10.000	9.636	3.6	89	0.00
50 T	4-Methyl-2-Pentanone	10.000	10.000	0.0	101	0.00
51 T	2-Hexanone	10.000	10.742	-7.4	86	0.00
52 T	Tetrachloroethene	10.000	9.718	2.8	92	0.00
53 T	Toluene	10.000	9.896	1.0	85	0.00
54 T	1,2-Dibromoethane	10.000	9.609	3.9	91	0.00
55 I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
56	1,1,1,2-Tetrachloroethane	10.000	8.888	11.1	92	0.00
57 T	Chlorobenzene	10.000	8.850	11.5	93	0.00
58 T	Ethyl Benzene	10.000	10.086	-0.9	93	0.00
59 T	m/p-Xylene	20.000	19.111	4.4	93	0.00
60 T	o-Xylene	10.000	9.473	5.3	93	0.00
61 T	Styrene	10.000	10.606	-6.1	92	0.00
62	Isopropylbenzene	10.000	9.402	6.0	92	0.00
63 T	1,1,2,2-Tetrachloroethane	10.000	8.547	14.5	93	0.00
64	n-propylbenzene	10.000	9.622	3.8	92	0.00
65	tert-Butylbenzene	10.000	9.144	8.6	91	0.00
66 T	Benzyl Chloride	10.000	9.983	0.2	84	0.00
67	sec-Butylbenzene	10.000	9.239	7.6	92	0.00
68 S	1-Bromo-4-Fluorobenzene	10.000	9.313	6.9	92	0.00
69	p-Isopropyltoluene	10.000	9.507	4.9	91	0.00
70	n-Butylbenzene	10.000	9.608	3.9	92	0.00
71	2-Chlorotoluene	10.000	9.760	2.4	92	0.00
72 T	4-Ethyltoluene	10.000	10.169	-1.7	93	0.00
73 T	1,3,5-Trimethylbenzene	10.000	10.024	-0.2	93	0.00
74 T	1,2,4-Trimethylbenzene	10.000	9.226	7.7	91	0.00
75 T	1,3-Dichlorobenzene	10.000	8.600	14.0	90	0.00
76 T	1,4-Dichlorobenzene	10.000	9.284	7.2	91	0.00
77 T	1,2-Dichlorobenzene	10.000	8.892	11.1	90	0.00
78 T	Hexachloro-1,3-Butadiene	10.000	16.106	-61.1#	181	0.00
79 T	Naphthalene	10.000	9.111	8.9	86	0.00
80 T	Naphthalene,2-methyl-	10.000	16.509	-65.1#	77	0.00
81 T	1,2,4-Trichlorobenzene	10.000	10.511	-5.1	85	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081518\
 Data File : VL032355.D
 Acq On : 15 Aug 2018 15:15
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Quant Time: Aug 16 05:50:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	93	0.00
2 T	Dichlorodifluoromethane	1.019	1.034	-1.5	122	0.00
3	Chlorodifluoromethane	0.926	0.874	5.6	94	0.00
4	Chloromethane	0.551	0.532	3.4	95	0.00
5 T	Vinyl Chloride	0.526	0.511	2.9	97	0.00
6 T	Bromomethane	0.282	0.278	1.4	95	0.00
7	Chloroethane	0.184	0.181	1.6	98	0.00
8 T	Dichlorotetrafluoroethane	1.130	1.033	8.6	95	0.00
9 T	Propene	0.396	0.408	-3.0	92	0.00
10 T	Heptane	1.194	1.304	-9.2	101	0.00
11 T	Trichlorofluoromethane	1.118	1.048	6.3	98	0.00
12 T	1,1,2-Trichlorotrifluoroeth	0.753	0.706	6.2	95	0.00
13	Ethanol	0.102	0.110	-7.8	103	0.00
14 T	Bromoethene	0.326	0.323	0.9	97	0.00
15 T	Acetone	0.950	0.828	12.8	98	0.00
16 T	1,3-Butadiene	0.392	0.442	-12.8	112	0.00
17	tert-Butyl alcohol	0.159	0.157	1.3	101	0.00
18 T	1,1-Dichloroethene	0.351	0.342	2.6	95	0.00
19 T	Isopropyl Alcohol	0.640	0.654	-2.2	99	0.00
20 T	Methylene Chloride	0.359	0.304	15.3	96	0.00
21 T	Allyl Chloride	0.600	0.611	-1.8	95	0.00
22 T	trans-1,2-Dichloroethene	0.354	0.328	7.3	83	0.00
23 T	Vinyl Acetate	1.641	1.579	3.8	84	0.00
24 T	1,1-Dichloroethane	1.185	1.096	7.5	86	0.00
25 T	Ethyl Acetate	2.036	1.961	3.7	91	0.00
26 T	Hexane	0.908	0.900	0.9	91	0.00
27 T	Carbon Disulfide	0.847	0.867	-2.4	91	0.00
28 T	Methyl tert-Butyl Ether	1.205	1.196	0.7	83	0.00
29 T	Chloroform	1.330	1.287	3.2	91	0.00
30 T	Cyclohexane	0.691	0.764	-10.6	99	0.00
31 T	cis-1,2-Dichloroethene	0.888	0.936	-5.4	94	0.00
32 T	1,1,1-Trichloroethane	1.295	1.252	3.3	93	0.00
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
34 T	2-Butanone	0.681	0.662	2.8	95	0.00
35 T	Carbon Tetrachloride	0.590	0.576	2.4	92	0.00
36 T	Benzene	0.848	0.822	3.1	91	0.00
37 T	1,2-Dichloroethane	0.514	0.479	6.8	94	0.00
38 T	Trichloroethene	0.297	0.288	3.0	94	0.00
39 T	1,2-Dichloropropane	0.354	0.346	2.3	93	0.00
40 T	1,4-Dioxane	0.108	0.117	-8.3	93	0.00
41 T	Tetrahydrofuran	0.365	0.391	-7.1	97	0.00
42 T	Bromodichloromethane	0.673	0.657	2.4	93	0.00
43	Methyl Methacrylate	0.338	0.357	-5.6	94	0.00
44 T	2,2,4-Trimethylpentane	1.529	1.512	1.1	96	0.00
45 T	t-1,3-Dichloropropene	0.427	0.478	-11.9	97	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081518\
 Data File : VL032355.D
 Acq On : 15 Aug 2018 15:15
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Quant Time: Aug 16 05:50:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46 T	cis-1,3-Dichloropropene	0.512	0.571	-11.5	102	0.00
47 T	1,1,2-Trichloroethane	0.390	0.360	7.7	93	0.00
48 T	Dibromochloromethane	0.521	0.514	1.3	91	0.00
49 T	Bromoform	0.433	0.417	3.7	89	0.00
50 T	4-Methyl-2-Pentanone	0.983	0.983	0.0	101	0.00
51 T	2-Hexanone	0.690	0.741	-7.4	86	0.00
52 T	Tetrachloroethene	0.250	0.243	2.8	92	0.00
53 T	Toluene	0.929	0.920	1.0	85	0.00
54 T	1,2-Dibromoethane	0.501	0.481	4.0	91	0.00
55 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
56	1,1,1,2-Tetrachloroethane	0.414	0.368	11.1	92	0.00
57 T	Chlorobenzene	0.753	0.666	11.6	93	0.00
58 T	Ethyl Benzene	1.203	1.213	-0.8	93	0.00
59 T	m/p-Xylene	1.022	0.977	4.4	93	0.00
60 T	o-Xylene	1.005	0.952	5.3	93	0.00
61 T	Styrene	0.702	0.745	-6.1	92	0.00
62	Isopropylbenzene	1.430	1.344	6.0	92	0.00
63 T	1,1,2,2-Tetrachloroethane	0.845	0.722	14.6	93	0.00
64	n-propylbenzene	0.370	0.356	3.8	92	0.00
65	tert-Butylbenzene	1.221	1.117	8.5	91	0.00
66 T	Benzyl Chloride	0.723	0.722	0.1	84	0.00
67	sec-Butylbenzene	1.816	1.678	7.6	92	0.00
68 S	1-Bromo-4-Fluorobenzene	0.763	0.711	6.8	92	0.00
69	p-Isopropyltoluene	1.390	1.322	4.9	91	0.00
70	n-Butylbenzene	1.524	1.464	3.9	92	0.00
71	2-Chlorotoluene	1.107	1.080	2.4	92	0.00
72 T	4-Ethyltoluene	1.120	1.139	-1.7	93	0.00
73 T	1,3,5-Trimethylbenzene	1.078	1.080	-0.2	93	0.00
74 T	1,2,4-Trimethylbenzene	1.147	1.058	7.8	91	0.00
75 T	1,3-Dichlorobenzene	0.689	0.593	13.9	90	0.00
76 T	1,4-Dichlorobenzene	0.653	0.606	7.2	91	0.00
77 T	1,2-Dichlorobenzene	0.658	0.586	10.9	90	0.00
78 T	Hexachloro-1,3-Butadiene	0.221	0.356	-61.1#	181#	0.00
79 T	Naphthalene	0.837	0.974	-16.4	86	0.00
80 T	Naphthalene,2-methyl-	0.229	0.378	-65.1#	77	0.00
81 T	1,2,4-Trichlorobenzene	0.443	0.466	-5.2	85	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081518\
 Data File : VL032376.D
 Acq On : 16 Aug 2018 8:36
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Quant Time: Aug 16 09:07:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	62	0.00
2 T	Dichlorodifluoromethane	1.019	0.965	5.3	76	0.00
3	Chlorodifluoromethane	0.926	0.868	6.3	63	0.00
4	Chloromethane	0.551	0.513	6.9	62	0.00
5 T	Vinyl Chloride	0.526	0.498	5.3	64	0.00
6 T	Bromomethane	0.282	0.274	2.8	63	0.00
7	Chloroethane	0.184	0.176	4.3	64	0.00
8 T	Dichlorotetrafluoroethane	1.130	1.067	5.6	66	0.00
9 T	Propene	0.396	0.416	-5.1	63	0.00
10 T	Heptane	1.194	1.419	-18.8	74	0.00
11 T	Trichlorofluoromethane	1.118	1.103	1.3	69	0.00
12 T	1,1,2-Trichlorotrifluoroeth	0.753	0.725	3.7	66	0.00
13	Ethanol	0.102	0.111	-8.8	70	0.00
14 T	Bromoethene	0.326	0.330	-1.2	66	0.00
15 T	Acetone	0.950	0.833	12.3	66	0.00
16 T	1,3-Butadiene	0.392	0.429	-9.4	73	0.00
17	tert-Butyl alcohol	0.159	0.183	-15.1	79	0.00
18 T	1,1-Dichloroethene	0.351	0.357	-1.7	67	0.00
19 T	Isopropyl Alcohol	0.640	0.702	-9.7	72	0.00
20 T	Methylene Chloride	0.359	0.308	14.2	65	0.00
21 T	Allyl Chloride	0.600	0.644	-7.3	67	0.00
22 T	trans-1,2-Dichloroethene	0.354	0.355	-0.3	60	0.00
23 T	Vinyl Acetate	1.641	1.590	3.1	57	0.00
24 T	1,1-Dichloroethane	1.185	1.073	9.5	56	0.00
25 T	Ethyl Acetate	2.036	2.031	0.2	64	0.00
26 T	Hexane	0.908	0.890	2.0	61	0.00
27 T	Carbon Disulfide	0.847	0.932	-10.0	66	0.00
28 T	Methyl tert-Butyl Ether	1.205	1.310	-8.7	61	0.00
29 T	Chloroform	1.330	1.317	1.0	62	0.00
30 T	Cyclohexane	0.691	0.741	-7.2	64	0.00
31 T	cis-1,2-Dichloroethene	0.888	1.013	-14.1	69	0.00
32 T	1,1,1-Trichloroethane	1.295	1.411	-9.0	70	0.00
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	70	0.00
34 T	2-Butanone	0.681	0.655	3.8	66	0.00
35 T	Carbon Tetrachloride	0.590	0.574	2.7	65	0.00
36 T	Benzene	0.848	0.828	2.4	64	0.00
37 T	1,2-Dichloroethane	0.514	0.499	2.9	69	0.00
38 T	Trichloroethene	0.297	0.285	4.0	66	0.00
39 T	1,2-Dichloropropane	0.354	0.341	3.7	64	0.00
40 T	1,4-Dioxane	0.108	0.118	-9.3	66	0.00
41 T	Tetrahydrofuran	0.365	0.388	-6.3	68	0.00
42 T	Bromodichloromethane	0.673	0.673	0.0	67	0.00
43	Methyl Methacrylate	0.338	0.360	-6.5	67	0.00
44 T	2,2,4-Trimethylpentane	1.529	1.465	4.2	65	0.00
45 T	t-1,3-Dichloropropene	0.427	0.511	-19.7	73	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081518\
 Data File : VL032376.D
 Acq On : 16 Aug 2018 8:36
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Quant Time: Aug 16 09:07:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 15 14:58:02 2018
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 150%

	Compound	AvqRF	CCRF	%Dev	Area%	Dev(min)
46 T	cis-1,3-Dichloropropene	0.512	0.578	-12.9	73	0.00
47 T	1,1,2-Trichloroethane	0.390	0.370	5.1	67	0.00
48 T	Dibromochloromethane	0.521	0.553	-6.1	69	0.00
49 T	Bromoform	0.433	0.436	-0.7	66	0.00
50 T	4-Methyl-2-Pentanone	0.983	0.933	5.1	68	0.00
51 T	2-Hexanone	0.690	0.747	-8.3	61	0.00
52 T	Tetrachloroethene	0.250	0.260	-4.0	69	0.00
53 T	Toluene	0.929	0.984	-5.9	64	0.00
54 T	1,2-Dibromoethane	0.501	0.513	-2.4	68	0.00
55 I	Chlorobenzene-d5	1.000	1.000	0.0	67	0.00
56	1,1,1,2-Tetrachloroethane	0.414	0.395	4.6	67	0.00
57 T	Chlorobenzene	0.753	0.715	5.0	67	0.00
58 T	Ethyl Benzene	1.203	1.351	-12.3	70	0.00
59 T	m/p-Xylene	1.022	1.133	-10.9	73	0.00
60 T	o-Xylene	1.005	1.046	-4.1	69	0.00
61 T	Styrene	0.702	0.823	-17.2	68	0.00
62	Isopropylbenzene	1.430	1.508	-5.5	70	0.00
63 T	1,1,2,2-Tetrachloroethane	0.845	0.755	10.7	66	0.00
64	n-propylbenzene	0.370	0.390	-5.4	68	0.00
65	tert-Butylbenzene	1.221	1.243	-1.8	69	0.00
66 T	Benzyl Chloride	0.723	0.849	-17.4	66	0.00
67	sec-Butylbenzene	1.816	1.891	-4.1	70	0.00
68 S	1-Bromo-4-Fluorobenzene	0.763	0.782	-2.5	68	0.00
69	p-Isopropyltoluene	1.390	1.507	-8.4	70	0.00
70	n-Butylbenzene	1.524	1.667	-9.4	70	0.00
71	2-Chlorotoluene	1.107	1.204	-8.8	69	0.00
72 T	4-Ethyltoluene	1.120	1.267	-13.1	70	0.00
73 T	1,3,5-Trimethylbenzene	1.078	1.196	-10.9	70	0.00
74 T	1,2,4-Trimethylbenzene	1.147	1.182	-3.1	69	0.00
75 T	1,3-Dichlorobenzene	0.689	0.650	5.7	67	0.00
76 T	1,4-Dichlorobenzene	0.653	0.662	-1.4	67	0.00
77 T	1,2-Dichlorobenzene	0.658	0.656	0.3	68	0.00
78 T	Hexachloro-1,3-Butadiene	0.221	0.245	-10.9	84	0.00
79 T	Naphthalene	0.837	1.164	-39.1#	69	0.00
80 T	Naphthalene,2-methyl-	0.229	0.509	-122.3#	70	0.00
81 T	1,2,4-Trichlorobenzene	0.443	0.542	-22.3	67	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 0