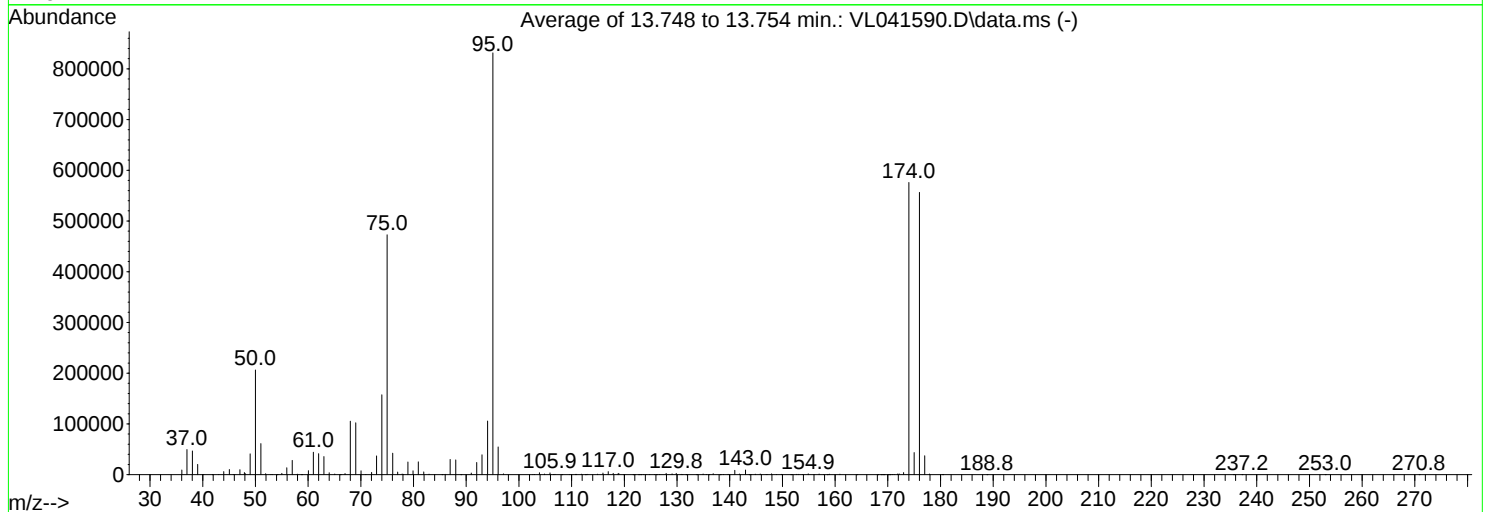
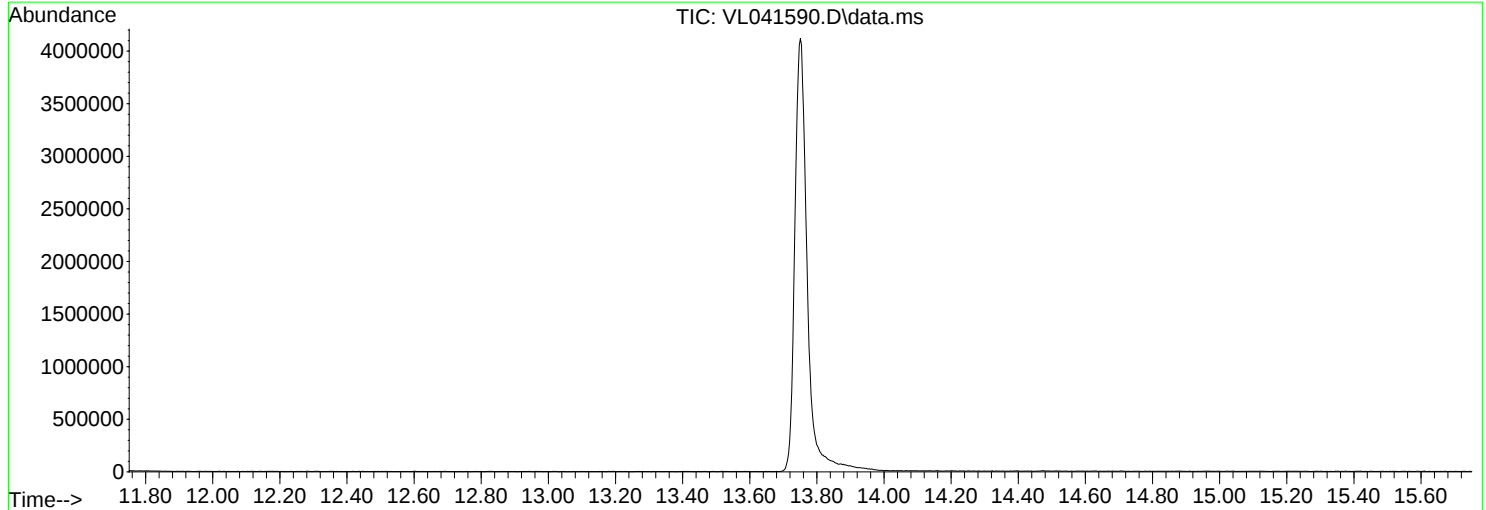


Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091624\
Data File : VL041590.D
Acq On : 16 Sep 2024 11:50
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
Last Update : Tue Sep 17 09:12:21 2024



AutoFind: Scans 3466, 3467, 3468; Background Corrected with Scan 3441

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.8	206293	PASS
75	95	30	66	56.9	472747	PASS
95	95	100	100	100.0	831488	PASS
96	95	5	9	6.6	54749	PASS
173	174	0.00	2	0.7	4144	PASS
174	95	50	120	69.3	576085	PASS
175	174	4	9	7.6	43507	PASS
176	174	93	101	96.6	556480	PASS
177	176	5	9	6.7	37259	PASS

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\

Method File : VL091624AIR.M

Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

Last Update : Tue Sep 17 09:12:21 2024

Response Via : Initial Calibration

Calibration Files

0.03=VL041597.D 0.1 =VL041596.D 0.5 =VL041591.D 1 =VL041594.D 2 =VL041593.D 10 =VL041592.D 15 =VL041598.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			2.008	1.517	1.307	1.311	1.078	1.444	24.33
3) Chlorodifluoro...			1.427	1.234	1.245	1.104	1.055	1.213	11.94
4) Chloromethane			0.775	0.677	0.681	0.611	0.592	0.667	10.74
5) T Vinyl Chloride	0.459	0.525	0.634	0.633	0.625	0.587	0.580	0.578	11.28
6) T Bromomethane			0.325	0.277	0.298	0.274	0.262	0.287	8.62
7) Chloroethane			0.264	0.222	0.219	0.213	0.205	0.225	10.30
8) T Dichlorotetra...			1.783	1.546	1.526	1.422	1.298	1.515	11.84
9) T Propene			0.501	0.517	0.538	0.513	0.489	0.512	3.61
10) T Heptane			1.051	1.173	1.259	1.270	1.237	1.198	7.55
11) T Trichlorofluor...			1.732	1.636	1.535	1.429	1.353	1.537	9.95
12) T 1,1,2-Trichlor...			1.226	1.162	1.152	1.040	0.986	1.113	8.77
13) Ethanol			0.047	0.057	0.046	0.024	0.018	0.038#	42.94
14) T Bromoethene			0.429	0.421	0.427	0.423	0.410	0.422	1.76
15) T Acetone			1.775	1.244	1.240	1.027	0.990	1.255	24.97
16) T 1,3-Butadiene			0.674	0.612	0.622	0.579	0.566	0.611	6.93
17) tert-Butyl alc...			1.085	1.138	1.172	1.090	1.036	1.104	4.75
18) T 1,1-Dichloroet...			0.463	0.490	0.482	0.476	0.445	0.471	3.79
19) T Isopropyl Alcohol			0.690	0.659	0.674	0.625	0.566	0.643	7.61
20) T Methylene Chlo...			0.675	0.478	0.453	0.388	0.365	0.472	26.01
21) T Allyl Chloride			0.729	0.717	0.763	0.734	0.695	0.728	3.40
22) T trans-1,2-Dich...			0.497	0.462	0.488	0.460	0.443	0.470	4.65
23) T Vinyl Acetate			0.710	0.652	0.713	0.690	0.688	0.691	3.54
24) T 1,1-Dichloroet...			1.141	1.056	1.053	0.992	0.939	1.036	7.31
25) T Ethyl Acetate			2.106	2.286	2.408	2.286	2.184	2.254	5.08
26) T Hexane			0.979	0.924	0.974	0.927	0.895	0.940	3.81
27) T Carbon Disulfide			0.865	0.940	1.005	1.108	1.077	0.999	9.93
28) T Methyl tert-Bu...			0.628	0.578	0.604	0.558	0.530	0.579	6.60
29) T Chloroform			1.715	1.573	1.543	1.457	1.402	1.538	7.81
30) T Cyclohexane			0.603	0.670	0.780	0.785	0.785	0.725	11.57
31) T cis-1,2-Dichlo...			0.837	0.885	0.948	0.900	0.892	0.892	4.44
32) T 1,1,1-Trichlor...	1.165	1.138	1.529	1.452	1.479	1.438	1.389	1.370	11.32

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.521	0.437	0.500	0.470	0.456	0.477	7.07
35) T Carbon Tetrach...	0.363	0.395	0.536	0.518	0.555	0.543	0.525	0.491	15.89
36) T Benzene			0.640	0.677	0.746	0.714	0.696	0.694	5.71
37) T 1,2-Dichloroet...			0.409	0.406	0.413	0.399	0.388	0.403	2.48
38) T Trichloroethene	0.347	0.305	0.358	0.357	0.394	0.378	0.364	0.358	7.80
39) T 1,2-Dichloropr...			0.293	0.278	0.297	0.275	0.270	0.283	4.16

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\ Method File : VL091624AIR.M										
40) T	1,4-Dioxane			0.111	0.100	0.115	0.114	0.093	0.107	9.00
41) T	Tetrahydrofuran			0.209	0.257	0.272	0.289	0.285	0.262	12.31
42) T	Bromodichlorom...			0.546	0.557	0.572	0.573	0.554	0.561	2.07
43) T	Methyl Methacr...			0.195	0.225	0.261	0.281	0.280	0.249	15.02
44) T	2,2,4-Trimethy...			1.133	1.210	1.304	1.210	1.150	1.202	5.59
45) T	t-1,3-Dichloro...			0.146	0.157	0.194	0.247	0.259	0.200	25.54
46) T	cis-1,3-Dichlo...			0.197	0.256	0.306	0.353	0.355	0.294	22.93
47) T	1,1,2-Trichlor...			0.297	0.303	0.312	0.299	0.290	0.300	2.69
48) T	Dibromochlorom...			0.402	0.428	0.461	0.493	0.487	0.455	8.52
49) T	Bromoform			0.324	0.363	0.401	0.432	0.431	0.390	11.89
50) T	4-Methyl-2-Pen...			0.616	0.697	0.804	0.793	0.771	0.736	10.74
51) T	2-Hexanone			0.419	0.510	0.603	0.631	0.622	0.557	16.33
52) T	Tetrachloroethene	0.218	0.216	0.248	0.268	0.277	0.267	0.266	0.251	9.96
53) T	Toluene			0.526	0.703	0.806	0.834	0.816	0.737	17.42
54) T	1,2-Dibromoethane	0.259		0.370	0.379	0.402	0.407	0.399	0.369	15.11
-----ISTD-----										
55) I	Chlorobenzene-d5									
56) T	1,1,1,2-Tetrac...			0.421	0.401	0.406	0.378	0.345	0.390	7.55
57) T	Chlorobenzene			0.793	0.767	0.739	0.685	0.621	0.721	9.51
58) T	Ethyl Benzene			0.838	1.096	1.179	1.173	1.067	1.070	12.97
59) T	m/p-Xylene			0.830	0.974	1.061	0.996	0.904	0.953	9.31
60) T	o-Xylene			0.782	0.931	1.016	0.960	0.878	0.913	9.75
61) T	Styrene			0.247	0.338	0.413	0.468	0.442	0.382	23.54
62) T	Isopropylbenzene			1.282	1.461	1.522	1.394	1.260	1.384	8.14
63) T	1,1,2,2-Tetrac...	0.418	0.394	0.547	0.532	0.510	0.456	0.413	0.467	13.31
64) T	n-propylbenzene			0.308	0.356	0.401	0.375	0.347	0.357	9.56
65) T	tert-Butylbenzene			1.181	1.338	1.433	1.256	1.134	1.269	9.47
66) T	Benzyl Chloride			0.064	0.064	0.065	0.067	0.069	0.066	3.08
67) T	sec-Butylbenzene			1.575	1.882	2.001	1.770	1.572	1.760	10.74
68) S	1-Bromo-4-Fluo...	0.737	0.751	0.749	0.749	0.723	0.744	0.701	0.736	2.47
69) T	p-Isopropyltol...			1.164	1.476	1.677	1.481	1.325	1.425	13.46
70) T	n-Butylbenzene			1.271	1.572	1.732	1.520	1.368	1.492	12.04
71) T	2-Chlorotoluene			0.917	1.047	1.121	1.050	0.957	1.018	8.00
72) T	4-Ethyltoluene			0.850	1.086	1.197	1.154	1.052	1.068	12.57
73) T	1,3,5-Trimethy...			0.790	0.975	1.054	0.988	0.907	0.943	10.63
74) T	1,2,4-Trimethy...			0.986	1.181	1.267	1.095	0.989	1.104	11.09
75) T	1,3-Dichlorobe...			0.676	0.712	0.766	0.680	0.624	0.692	7.56
76) T	1,4-Dichlorobe...			0.598	0.708	0.733	0.661	0.614	0.663	8.77
77) T	1,2-Dichlorobe...			0.687	0.711	0.754	0.658	0.604	0.683	8.25
78) T	Hexachloro-1,3...			0.607	0.621	0.635	0.491	0.461	0.563	14.33
79) T	Naphthalene	0.311		0.570	0.869	1.107	1.031	0.985	0.812	38.05
80) T	Naphthalene,2-...			0.267	0.435	0.613	0.749	0.781	0.569	38.19
81) T	1,2,4-Trichlor...			0.405	0.503	0.607	0.543	0.524	0.516	14.24

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091624\
 Data File : VL041591.D
 Acq On : 16 Sep 2024 12:36
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Sep 17 07:23:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Sep 17 05:12:12 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/17/2024
 Supervised By : Mahesh Dadoda 09/17/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.166	49	1007876	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.626	114	2828824	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.439	117	2557349	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.751	95	1914464	10.111	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.100%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.710	85	101189	0.723	ppbv	96
3) Chlorodifluoromethane	2.655	51	71898	0.601	ppbv	99
4) Chloromethane	2.793	50	39035	0.689	ppbv	90
5) Vinyl Chloride	2.896	62	31972	0.554	ppbv	91
6) Bromomethane	3.099	94	16392	0.584	ppbv	99
7) Chloroethane	3.179	64	13318	0.613	ppbv	98
8) Dichlorotetrafluoroethane	2.835	85	89844	0.600	ppbv	95
9) Propene	2.677	41	25238	0.485	ppbv	88
10) Heptane	7.549	43	52953m	0.447	ppbv	
11) Trichlorofluoromethane	3.539	101	87284	0.576	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.041	101	61766	0.562	ppbv	93
13) Ethanol	3.227	45	2374m	0.709	ppbv	
14) Bromoethene	3.343	108	21604	0.511	ppbv #	91
15) Acetone	3.455	43	89461	0.777	ppbv	92
16) 1,3-Butadiene	2.967	39	33974	0.578	ppbv	93
17) tert-Butyl alcohol	3.870	59	54674	0.500	ppbv	95
18) 1,1-Dichloroethene	3.861	96	23326	0.483	ppbv	96
19) Isopropyl Alcohol	3.565	45	34766m	0.560	ppbv	
20) Methylene Chloride	3.909	84	34011	0.768	ppbv	93
21) Allyl Chloride	3.976	41	36721	0.501	ppbv	88
22) trans-1,2-Dichloroethene	4.420	96	25050	0.536	ppbv #	81
23) Vinyl Acetate	4.610	43	35784	0.523	ppbv #	87
24) 1,1-Dichloroethane	4.539	63	57495	0.562	ppbv #	95
25) Ethyl Acetate	5.185	43	106139	0.465	ppbv #	95
26) Hexane	5.189	57	49338	0.535	ppbv	90
27) Carbon Disulfide	4.105	76	43606	0.435	ppbv #	87
28) Methyl tert-Butyl Ether	4.571	73	31629m	0.552	ppbv	
29) Chloroform	5.246	83	86434	0.566	ppbv	97
30) Cyclohexane	6.578	84	30381m	0.419	ppbv	
31) cis-1,2-Dichloroethene	5.053	61	42156	0.473	ppbv	93
32) 1,1,1-Trichloroethane	5.979	97	77056	0.568	ppbv	96
34) 2-Butanone	4.777	43	73717m	0.569	ppbv	
35) Carbon Tetrachloride	6.471	117	75844	0.554	ppbv #	94
36) Benzene	6.346	78	90490	0.465	ppbv #	95
37) 1,2-Dichloroethane	5.783	62	57866	0.511	ppbv #	96
38) Trichloroethene	7.269	130	50656m	0.502	ppbv	
39) 1,2-Dichloropropane	7.044	63	41453m	0.523	ppbv	
40) 1,4-Dioxane	7.304	88	15716m	0.554	ppbv	
41) Tetrahydrofuran	5.558	42	29577	0.397	ppbv	96
42) Bromodichloromethane	7.224	83	77287	0.499	ppbv #	96
43) Methyl Methacrylate	7.452	69	27616	0.393	ppbv	95
44) 2,2,4-Trimethylpentane	7.304	57	160219	0.479	ppbv #	90
45) t-1,3-Dichloropropene	8.690	75	20590m	0.367	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091624\
 Data File : VL041591.D
 Acq On : 16 Sep 2024 12:36
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/17/2024
 Supervised By :Mahesh Dadoda 09/17/2024

Quant Time: Sep 17 07:23:30 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Tue Sep 17 05:12:12 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.121	75	27915	0.331	ppbv	90
47) 1,1,2-Trichloroethane	8.876	97	41983	0.499	ppbv	92
48) Dibromochloromethane	9.687	129	56924m	0.447	ppbv	
49) Bromoform	12.375	173	45890m	0.424	ppbv	
50) 4-Methyl-2-Pentanone	8.176	43	87157m	0.424	ppbv	
51) 2-Hexanone	9.555	43	59285m	0.378	ppbv	
52) Tetrachloroethene	10.587	164	35100m	0.496	ppbv	
53) Toluene	9.192	91	74445	0.355	ppbv	95
54) 1,2-Dibromoethane	9.983	107	52272m	0.509	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.487	131	53872	0.548	ppbv #	1
57) Chlorobenzene	11.503	112	101381m	0.554	ppbv	
58) Ethyl Benzene	12.063	91	107104	0.390	ppbv	94
59) m/p-Xylene	12.349	91	212193m	0.867	ppbv	
60) o-Xylene	13.037	91	99984m	0.428	ppbv	
61) Styrene	12.876	104	31545	0.319	ppbv	94
62) Isopropylbenzene	14.005	105	163927	0.462	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.021	83	69917m	0.592	ppbv	
64) n-propylbenzene	14.899	120	39445m	0.429	ppbv	
65) tert-Butylbenzene	16.066	119	151018m	0.474	ppbv	
66) Benzyl Chloride	16.304	91	8202m	0.484	ppbv	
67) sec-Butylbenzene	16.616	105	201367	0.442	ppbv	99
69) p-Isopropyltoluene	16.973	119	148897	0.407	ppbv	94
70) n-Butylbenzene	17.870	91	162469	0.426	ppbv	98
71) 2-Chlorotoluene	14.780	91	117206m	0.454	ppbv	
72) 4-Ethyltoluene	15.172	105	108676	0.395	ppbv #	95
73) 1,3,5-Trimethylbenzene	15.333	105	100995m	0.423	ppbv	
74) 1,2,4-Trimethylbenzene	16.079	105	126032	0.442	ppbv	95
75) 1,3-Dichlorobenzene	16.307	146	86427	0.491	ppbv	93
76) 1,4-Dichlorobenzene	16.452	146	76460	0.441	ppbv	87
77) 1,2-Dichlorobenzene	17.117	146	87843m	0.507	ppbv	
78) Hexachloro-1,3-Butadiene	22.609	225	77655m	0.537	ppbv	
79) Naphthalene	21.358	128	72907m	0.360	ppbv	
80) Naphthalene,2-methyl-	24.355	142	34080	0.240	ppbv	92
81) 1,2,4-Trichlorobenzene	21.124	180	51734m	0.392	ppbv	

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091624\
 Data File : VL041592.D
 Acq On : 16 Sep 2024 13:15
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/17/2024
 Supervised By : Mahesh Dadoda 09/17/2024

Quant Time: Sep 17 02:35:11 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Sep 17 02:32:57 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.169	49	1153662	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.629	114	3191034	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.445	117	3069576m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.751 95 2284732 9.739 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.709	85	1512734	7.724	ppbv	100
3) Chlorodifluoromethane	2.652	51	1273490	9.220	ppbv	100
4) Chloromethane	2.790	50	704969	9.499	ppbv	100
5) Vinyl Chloride	2.896	62	676970	9.366	ppbv	100
6) Bromomethane	3.095	94	316373	8.660	ppbv	100
7) Chloroethane	3.172	64	246025	9.802	ppbv	100
8) Dichlorotetrafluoroethane	2.835	85	1640863	9.280	ppbv	100
9) Propene	2.671	41	591499	9.296	ppbv	100
10) Heptane	7.555	43	1465058	10.218	ppbv	100
11) Trichlorofluoromethane	3.539	101	1648291	9.296	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.041	101	1199947	9.385	ppbv	100
13) Ethanol	3.224	45	27404m	5.148	ppbv	
14) Bromoethene	3.343	108	488418	9.820	ppbv	100
15) Acetone	3.443	43	1184767	8.990	ppbv	100
16) 1,3-Butadiene	2.963	39	668292	9.469	ppbv	100
17) tert-Butyl alcohol	3.851	59	1256999	10.440	ppbv	100
18) 1,1-Dichloroethene	3.857	96	549303	10.028	ppbv	100
19) Isopropyl Alcohol	3.552	45	721155	9.470	ppbv	100
20) Methylene Chloride	3.909	84	447422	9.082	ppbv	100
21) Allyl Chloride	3.973	41	846436	9.826	ppbv	100
22) trans-1,2-Dichloroethene	4.420	96	531058	9.732	ppbv	100
23) Vinyl Acetate	4.603	43	796205	8.326	ppbv	100
24) 1,1-Dichloroethane	4.539	63	1144566	9.614	ppbv	100
25) Ethyl Acetate	5.179	43	2636978	9.977	ppbv	100
26) Hexane	5.188	57	1069971	9.824	ppbv	100
27) Carbon Disulfide	4.098	76	1278721	10.141	ppbv	100
28) Methyl tert-Butyl Ether	4.561	73	643194	9.433	ppbv	100
29) Chloroform	5.250	83	1680555	9.485	ppbv	100
30) Cyclohexane	6.577	84	905301	10.235	ppbv	100
31) cis-1,2-Dichloroethene	5.053	61	1038715	9.711	ppbv	100
32) 1,1,1-Trichloroethane	5.979	97	1658808	9.635	ppbv	100
34) 2-Butanone	4.761	43	1501240	9.714	ppbv	100
35) Carbon Tetrachloride	6.471	117	1733798	9.862	ppbv	100
36) Benzene	6.346	78	2276805	9.741	ppbv	100
37) 1,2-Dichloroethane	5.783	62	1272445	9.723	ppbv	100
38) Trichloroethene	7.266	130	1207402	11.030	ppbv	100
39) 1,2-Dichloropropane	7.050	63	877299	9.764	ppbv	100
40) 1,4-Dioxane	7.262	88	362562	10.129	ppbv #	100
41) Tetrahydrofuran	5.532	42	921404	10.354	ppbv	100
42) Bromodichloromethane	7.227	83	1829048	9.717	ppbv	100
43) Methyl Methacrylate	7.449	69	895478	10.728	ppbv	100
44) 2,2,4-Trimethylpentane	7.304	57	3860881	9.842	ppbv	100
45) t-1,3-Dichloropropene	8.687	75	786684	10.580	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091624\
 Data File : VL041592.D
 Acq On : 16 Sep 2024 13:15
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/17/2024
 Supervised By :Mahesh Dadoda 09/17/2024

Quant Time: Sep 17 02:35:11 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Sep 17 02:32:57 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.121	75	1127288	10.315	ppbv	100
47) 1,1,2-Trichloroethane	8.873	97	952785	9.656	ppbv	100
48) Dibromochloromethane	9.687	129	1573314	9.972	ppbv	100
49) Bromoform	12.384	173	1380117	10.374	ppbv	100
50) 4-Methyl-2-Pentanone	8.156	43	2529791	10.343	ppbv	100
51) 2-Hexanone	9.526	43	2011980	10.956	ppbv	100
52) Tetrachloroethene	10.590	164	852321	9.478	ppbv	100
53) Toluene	9.198	91	2661666	10.235	ppbv	100
54) 1,2-Dibromoethane	9.986	107	1299501	10.010	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.487	131	1161709	9.726	ppbv	100
57) Chlorobenzene	11.503	112	2103559	9.574	ppbv	100
58) Ethyl Benzene	12.066	91	3600157	10.136	ppbv	100
59) m/p-Xylene	12.346	91	6116054m	19.957	ppbv	
60) o-Xylene	13.034	91	2948315	10.140	ppbv	100
61) Styrene	12.873	104	1437066	11.003	ppbv	100
62) Isopropylbenzene	14.005	105	4279685	9.708	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.024	83	1398913	7.881	ppbv	100
64) n-propylbenzene	14.895	120	1149808	9.986	ppbv	100
65) tert-Butylbenzene	16.066	119	3855478	9.686	ppbv	100
66) Benzyl Chloride	16.304	91	205903	8.606	ppbv	100
67) sec-Butylbenzene	16.612	105	5434135	9.884	ppbv	100
69) p-Isopropyltoluene	16.973	119	4544895	9.982	ppbv	100
70) n-Butylbenzene	17.863	91	4664460	9.989	ppbv	100
71) 2-Chlorotoluene	14.776	91	3221836	9.915	ppbv	100
72) 4-Ethyltoluene	15.169	105	3541706	10.382	ppbv	100
73) 1,3,5-Trimethylbenzene	15.326	105	3032119	10.316	ppbv	100
74) 1,2,4-Trimethylbenzene	16.085	105	3360833	9.827	ppbv	100
75) 1,3-Dichlorobenzene	16.307	146	2088291	9.728	ppbv	100
76) 1,4-Dichlorobenzene	16.452	146	2030349	9.776	ppbv	100
77) 1,2-Dichlorobenzene	17.120	146	2019099	9.498	ppbv	100
78) Hexachloro-1,3-Butadiene	22.609	225	1508307	8.351	ppbv	100
79) Naphthalene	21.358	128	3163696	10.692	ppbv	100
80) Naphthalene,2-methyl-	24.352	142	2300402	9.700	ppbv	100
81) 1,2,4-Trichlorobenzene	21.114	180	1667878	9.460	ppbv	100

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091624\
 Data File : VL041593.D
 Acq On : 16 Sep 2024 13:56
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/17/2024
 Supervised By : Mahesh Dadoda 09/17/2024

Quant Time: Sep 17 02:38:44 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Sep 17 02:32:57 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.166	49	1182080	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.629	114	3244465	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.439	117	3052584	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.754 95 2207152 9.461 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.706	85	309050	1.540	ppbv	97
3) Chlorodifluoromethane	2.652	51	294373	2.080	ppbv	98
4) Chloromethane	2.793	50	160883	2.116	ppbv	95
5) Vinyl Chloride	2.899	62	147802	1.996	ppbv	95
6) Bromomethane	3.095	94	70434	1.882	ppbv	99
7) Chloroethane	3.173	64	51705	2.010	ppbv	98
8) Dichlorotetrafluoroethane	2.835	85	360778	1.991	ppbv	97
9) Propene	2.671	41	127237	1.952	ppbv	92
10) Heptane	7.555	43	297624	2.026	ppbv	98
11) Trichlorofluoromethane	3.539	101	362790	1.997	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.044	101	272276	2.078	ppbv	99
13) Ethanol	3.234	45	10961m	2.010	ppbv	
14) Bromoethene	3.340	108	101050	1.983	ppbv	92
15) Acetone	3.449	43	293207	2.171	ppbv	99
16) 1,3-Butadiene	2.964	39	147142	2.035	ppbv	97
17) tert-Butyl alcohol	3.857	59	277171	2.247	ppbv	99
18) 1,1-Dichloroethene	3.857	96	113969	2.031	ppbv	90
19) Isopropyl Alcohol	3.558	45	159227	2.041	ppbv #	97
20) Methylene Chloride	3.909	84	107110	2.122	ppbv	92
21) Allyl Chloride	3.973	41	180432	2.044	ppbv	99
22) trans-1,2-Dichloroethene	4.420	96	115268	2.062	ppbv	92
23) Vinyl Acetate	4.607	43	168539	1.720	ppbv #	97
24) 1,1-Dichloroethane	4.539	63	249059	2.042	ppbv	99
25) Ethyl Acetate	5.185	43	569204	2.102	ppbv	99
26) Hexane	5.185	57	230270	2.063	ppbv	95
27) Carbon Disulfide	4.102	76	237668	1.840	ppbv	98
28) Methyl tert-Butyl Ether	4.565	73	142865	2.045	ppbv	99
29) Chloroform	5.250	83	364849	2.010	ppbv	91
30) Cyclohexane	6.574	84	184390	2.035	ppbv	95
31) cis-1,2-Dichloroethene	5.054	61	224037	2.044	ppbv	93
32) 1,1,1-Trichloroethane	5.980	97	349584	1.982	ppbv	98
34) 2-Butanone	4.764	43	324173	2.063	ppbv	98
35) Carbon Tetrachloride	6.468	117	360310	2.016	ppbv	99
36) Benzene	6.346	78	483918	2.036	ppbv	98
37) 1,2-Dichloroethane	5.780	62	268163	2.015	ppbv	98
38) Trichloroethene	7.266	130	255796	2.298	ppbv	94
39) 1,2-Dichloropropane	7.050	63	192586	2.108	ppbv	97
40) 1,4-Dioxane	7.272	88	74476	2.046	ppbv #	97
41) Tetrahydrofuran	5.542	42	176742	1.953	ppbv	95
42) Bromodichloromethane	7.224	83	371085	1.939	ppbv	95
43) Methyl Methacrylate	7.452	69	169666	1.999	ppbv	99
44) 2,2,4-Trimethylpentane	7.301	57	846282	2.122	ppbv	99
45) t-1,3-Dichloropropene	8.687	75	125807m	1.664	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091624\
 Data File : VL041593.D
 Acq On : 16 Sep 2024 13:56
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/17/2024
 Supervised By :Mahesh Dadoda 09/17/2024

Quant Time: Sep 17 02:38:44 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Sep 17 02:32:57 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.118	75	198614	1.787	ppbv	98
47) 1,1,2-Trichloroethane	8.870	97	202286	2.016	ppbv	95
48) Dibromochloromethane	9.684	129	299312	1.866	ppbv	98
49) Bromoform	12.384	173	259933	1.922	ppbv	98
50) 4-Methyl-2-Pentanone	8.163	43	521882	2.099	ppbv	100
51) 2-Hexanone	9.536	43	391600	2.097	ppbv #	99
52) Tetrachloroethene	10.594	164	179606	1.964	ppbv	97
53) Toluene	9.198	91	523040	1.978	ppbv	99
54) 1,2-Dibromoethane	9.986	107	260693	1.975	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.484	131	247944	2.087	ppbv #	1
57) Chlorobenzene	11.503	112	451222	2.065	ppbv	96
58) Ethyl Benzene	12.066	91	719793	2.038	ppbv	96
59) m/p-Xylene	12.346	91	1294945m	4.249	ppbv	
60) o-Xylene	13.034	91	620587	2.146	ppbv	100
61) Styrene	12.880	104	252259	1.942	ppbv	98
62) Isopropylbenzene	14.005	105	929045	2.119	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.024	83	311063	1.762	ppbv	98
64) n-propylbenzene	14.892	120	244643	2.137	ppbv	93
65) tert-Butylbenzene	16.069	119	874824	2.210	ppbv	99
66) Benzyl Chloride	16.310	91	39929m	1.678	ppbv	
67) sec-Butylbenzene	16.613	105	1221574	2.234	ppbv	99
69) p-Isopropyltoluene	16.973	119	1023815	2.261	ppbv	99
70) n-Butylbenzene	17.863	91	1057176	2.276	ppbv	99
71) 2-Chlorotoluene	14.777	91	684496	2.118	ppbv	99
72) 4-Ethyltoluene	15.172	105	730570	2.153	ppbv	99
73) 1,3,5-Trimethylbenzene	15.330	105	643556	2.202	ppbv	96
74) 1,2,4-Trimethylbenzene	16.082	105	773729	2.275	ppbv	97
75) 1,3-Dichlorobenzene	16.307	146	467558	2.190	ppbv	99
76) 1,4-Dichlorobenzene	16.449	146	447493	2.167	ppbv	98
77) 1,2-Dichlorobenzene	17.121	146	460299	2.177	ppbv	99
78) Hexachloro-1,3-Butadiene	22.606	225	387729	2.159	ppbv	100
79) Naphthalene	21.362	128	675872	2.297	ppbv	97
80) Naphthalene,2-methyl-	24.358	142	374380	1.587	ppbv	99
81) 1,2,4-Trichlorobenzene	21.114	180	370420	2.113	ppbv	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091624\
 Data File : VL041594.D
 Acq On : 16 Sep 2024 14:36
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Sep 16 20:15:06 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Mon Sep 16 20:14:05 2024

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/17/2024
 Supervised By : Mahesh Dadoda 09/17/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.172	49	1163991	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	3218358	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.445	117	2901355	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	2171693	9.726	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.716	85	176543	0.882	ppbv	100
3) Chlorodifluoromethane	2.658	51	143593	1.036	ppbv	99
4) Chloromethane	2.796	50	78805m	1.069	ppbv	
5) Vinyl Chloride	2.906	62	73731	1.015	ppbv	99
6) Bromomethane	3.105	94	32268	0.864	ppbv	86
7) Chloroethane	3.182	64	25889	1.033	ppbv	91
8) Dichlorotetrafluoroethane	2.841	85	179916	1.014	ppbv	91
9) Propene	2.681	41	60205	0.946	ppbv	94
10) Heptane	7.565	43	136494	0.954	ppbv	99
11) Trichlorofluoromethane	3.545	101	190406	1.071	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.050	101	135246	1.056	ppbv	98
13) Ethanol	3.246	45	6603m	1.161	ppbv	
14) Bromoethene	3.353	108	48959	0.981	ppbv #	92
15) Acetone	3.462	43	144857	1.095	ppbv	97
16) 1,3-Butadiene	2.970	39	71179	1.007	ppbv	100
17) tert-Butyl alcohol	3.867	59	132423	1.098	ppbv	96
18) 1,1-Dichloroethene	3.861	96	57053	1.042	ppbv	91
19) Isopropyl Alcohol	3.571	45	76655	0.991	ppbv #	95
20) Methylene Chloride	3.915	84	55627	1.128	ppbv	97
21) Allyl Chloride	3.976	41	83509	0.963	ppbv	89
22) trans-1,2-Dichloroethene	4.426	96	53748	0.981	ppbv	96
23) Vinyl Acetate	4.610	43	75873	0.751	ppbv #	93
24) 1,1-Dichloroethane	4.542	63	122972	1.034	ppbv	99
25) Ethyl Acetate	5.192	43	266035	1.013	ppbv	98
26) Hexane	5.195	57	107564	0.987	ppbv	92
27) Carbon Disulfide	4.105	76	109406	0.858	ppbv	96
28) Methyl tert-Butyl Ether	4.574	73	67246	0.978	ppbv	99
29) Chloroform	5.253	83	183121	1.030	ppbv	96
30) Cyclohexane	6.577	84	77992	0.879	ppbv	87
31) cis-1,2-Dichloroethene	5.060	61	103032	0.957	ppbv	98
32) 1,1,1-Trichloroethane	5.979	97	168967	0.976	ppbv	98
34) 2-Butanone	4.774	43	140700	0.904	ppbv	95
35) Carbon Tetrachloride	6.475	117	166616	0.939	ppbv	97
36) Benzene	6.349	78	217922	0.927	ppbv	97
37) 1,2-Dichloroethane	5.787	62	130607	0.992	ppbv	97
38) Trichloroethene	7.269	130	114753	1.065	ppbv	94
39) 1,2-Dichloropropane	7.050	63	89452	0.994	ppbv	92
40) 1,4-Dioxane	7.294	88	32240	0.891	ppbv #	87
41) Tetrahydrofuran	5.552	42	82665m	0.928	ppbv	
42) Bromodichloromethane	7.230	83	179366	0.944	ppbv	99
43) Methyl Methacrylate	7.462	69	72483	0.860	ppbv	93
44) 2,2,4-Trimethylpentane	7.304	57	389526	0.992	ppbv	96
45) t-1,3-Dichloropropene	8.693	75	50543	0.651	ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091624\
 Data File : VL041594.D
 Acq On : 16 Sep 2024 14:36
 Operator : SY/MD
 Sample : VSTDIC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/17/2024
 Supervised By :Mahesh Dadoda 09/17/2024

Quant Time: Sep 16 20:15:06 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Mon Sep 16 20:14:05 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.118	75	82468	0.736	ppbv	99
47) 1,1,2-Trichloroethane	8.873	97	97460	0.982	ppbv	94
48) Dibromochloromethane	9.687	129	137881	0.862	ppbv	99
49) Bromoform	12.388	173	116706	0.864	ppbv	97
50) 4-Methyl-2-Pentanone	8.172	43	224369	0.913	ppbv	99
51) 2-Hexanone	9.552	43	163976m	0.883	ppbv	
52) Tetrachloroethene	10.593	164	86388	0.951	ppbv	94
53) Toluene	9.198	91	226360	0.864	ppbv	99
54) 1,2-Dibromoethane	9.986	107	121996	0.924	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.487	131	116306	1.034	ppbv #	1
57) Chlorobenzene	11.503	112	222410	1.077	ppbv #	94
58) Ethyl Benzene	12.072	91	318095	0.951	ppbv	97
59) m/p-Xylene	12.346	91	564895m	1.957	ppbv	
60) o-Xylene	13.037	91	270052	0.989	ppbv	100
61) Styrene	12.879	104	98015	0.796	ppbv	97
62) Isopropylbenzene	14.008	105	423939	1.021	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.027	83	154402	0.895	ppbv	99
64) n-propylbenzene	14.895	120	103274	0.952	ppbv	80
65) tert-Butylbenzene	16.072	119	388333	1.036	ppbv	98
66) Benzyl Chloride	16.313	91	18633m	0.775	ppbv	
67) sec-Butylbenzene	16.616	105	546134	1.057	ppbv	99
69) p-Isopropyltoluene	16.976	119	428199	0.999	ppbv	97
70) n-Butylbenzene	17.870	91	456221	1.038	ppbv	96
71) 2-Chlorotoluene	14.780	91	303828	0.992	ppbv	100
72) 4-Ethyltoluene	15.172	105	315109	0.980	ppbv #	97
73) 1,3,5-Trimethylbenzene	15.330	105	282986	1.022	ppbv	97
74) 1,2,4-Trimethylbenzene	16.082	105	342646m	1.064	ppbv	
75) 1,3-Dichlorobenzene	16.307	146	206679	1.021	ppbv	96
76) 1,4-Dichlorobenzene	16.452	146	205278	1.047	ppbv	97
77) 1,2-Dichlorobenzene	17.124	146	206345	1.028	ppbv	96
78) Hexachloro-1,3-Butadiene	22.609	225	180258m	1.053	ppbv	
79) Naphthalene	21.368	128	252197m	0.887	ppbv	
80) Naphthalene,2-methyl-	24.358	142	126259m	0.530	ppbv	
81) 1,2,4-Trichlorobenzene	21.124	180	145946	0.863	ppbv	97

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091624\
 Data File : VL041596.D
 Acq On : 16 Sep 2024 15:56
 Operator : SY/MD
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/17/2024
 Supervised By :Mahesh Dadoda 09/17/2024

Quant Time: Sep 17 03:12:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Sep 17 02:32:57 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.176	49	1150062	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	3120058	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.445	117	2779435	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	2086516	9.823	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.200%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.915	62	6034m	0.084	ppbv	
32) 1,1,1-Trichloroethane	5.986	97	13088m	0.076	ppbv	
35) Carbon Tetrachloride	6.468	117	12312m	0.072	ppbv	
38) Trichloroethene	7.272	130	9519m	0.089	ppbv	
52) Tetrachloroethene	10.590	164	6744m	0.077	ppbv	
54) 1,2-Dibromoethane	9.979	107	8094m	0.064	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.037	83	10963m	0.068	ppbv	
79) Naphthalene	21.374	128	8646m	0.032	ppbv	

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

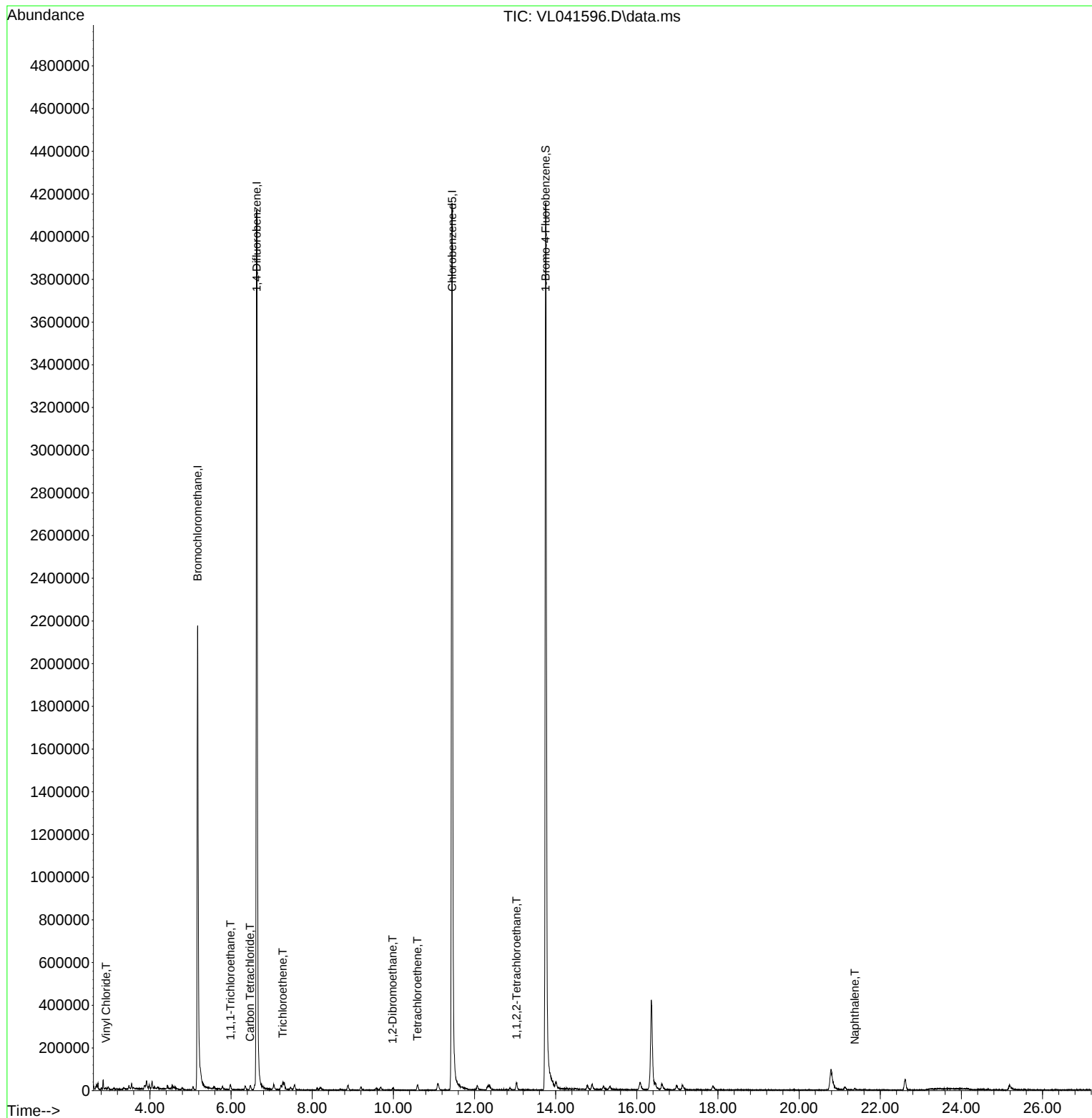
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091624\
Data File : VL041596.D
Acq On : 16 Sep 2024 15:56
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/17/2024
Supervised By :Mahesh Dadoda 09/17/2024

Quant Time: Sep 17 03:12:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Sep 17 02:32:57 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091624\
 Data File : VL041597.D
 Acq On : 16 Sep 2024 16:38
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/17/2024
 Supervised By :Mahesh Dadoda 09/17/2024

Quant Time: Sep 17 05:05:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 2
 QLast Update : Tue Sep 17 04:57:28 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.173	49	1115440	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.632	114	3030679	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.439	117	2692276	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.751	95	1983531	9.951	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.500%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.906	62	1537m	0.024	ppbv	
32) 1,1,1-Trichloroethane	5.976	97	3900m	0.026	ppbv	
35) Carbon Tetrachloride	6.475	117	3299m	0.023	ppbv	
38) Trichloroethene	7.269	130	3158m	0.029	ppbv	
52) Tetrachloroethene	10.581	164	1981m	0.026	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.040	83	3376m	0.027	ppbv	

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

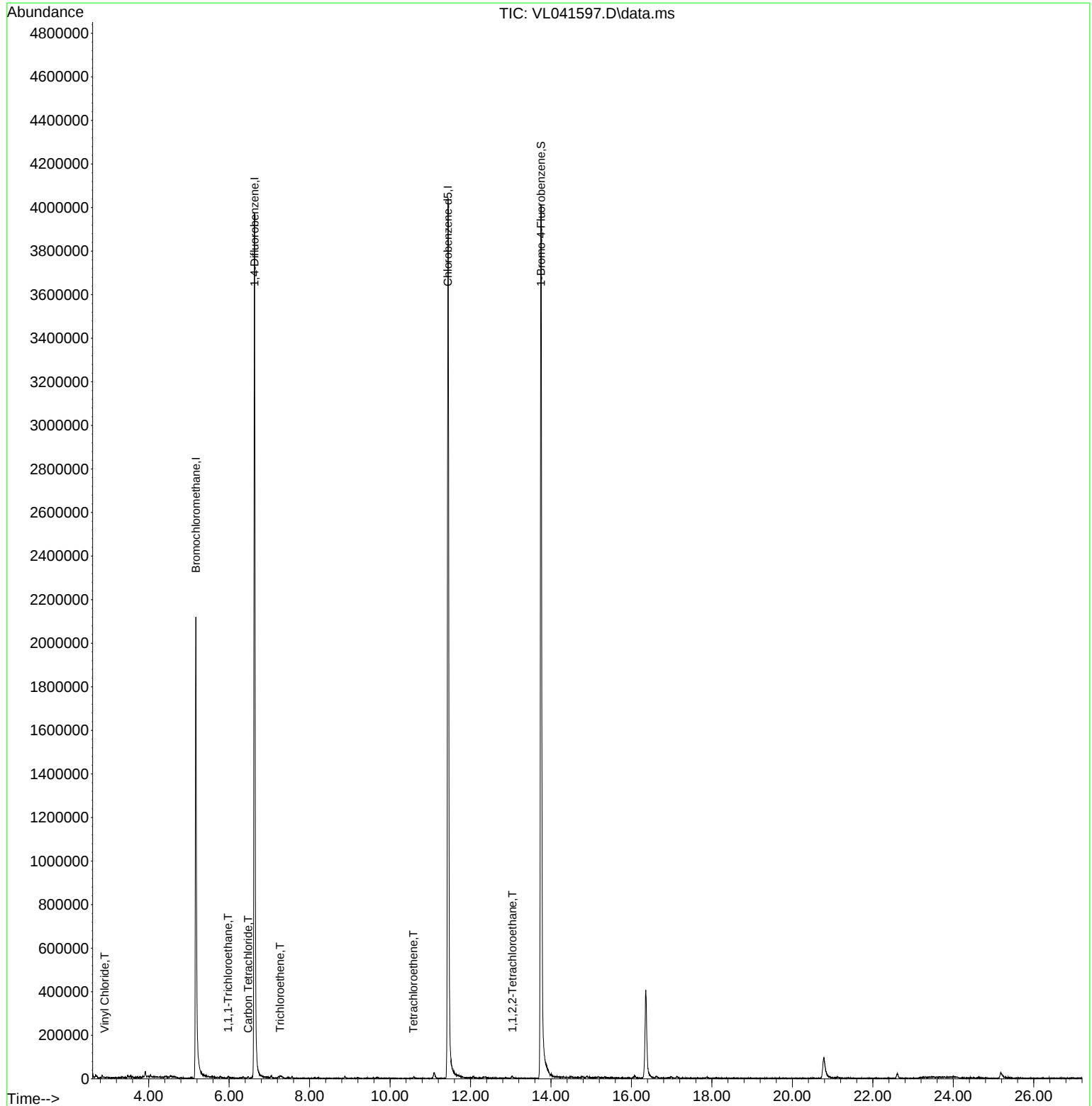
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091624\
Data File : VL041597.D
Acq On : 16 Sep 2024 16:38
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/17/2024
Supervised By :Mahesh Dadoda 09/17/2024

Quant Time: Sep 17 05:05:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Sep 17 04:57:28 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091624\
 Data File : VL041598.D
 Acq On : 16 Sep 2024 17:20
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Quant Time: Sep 17 09:14:19 2024
 Quant Title :
 QLast Update : Tue Sep 17 09:12:21 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/17/2024
 Supervised By :Mahesh Dadoda 09/17/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.176	49	1175483	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3256634	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.449	117	3327610m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.757 95 2332788 9.110 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 91.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	1900049	9.396	ppbv	100
3) Chlorodifluoromethane	2.664	51	1860879	13.298	ppbv	99
4) Chloromethane	2.803	50	1044613m	14.035	ppbv	
5) Vinyl Chloride	2.909	62	1021949	13.930	ppbv	99
6) Bromomethane	3.105	94	462431	12.264	ppbv	99
7) Chloroethane	3.185	64	360774	14.249	ppbv	98
8) Dichlorotetrafluoroethane	2.845	85	2287936	12.769	ppbv	99
9) Propene	2.684	41	862437	13.416	ppbv	100
10) Heptane	7.561	43	2181339	15.103	ppbv	100
11) Trichlorofluoromethane	3.549	101	2384942	13.280	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.050	101	1737916	13.439	ppbv	99
13) Ethanol	3.234	45	32379m	5.636	ppbv	
14) Bromoethene	3.353	108	722975	14.340	ppbv	100
15) Acetone	3.452	43	1746071	13.073	ppbv	99
16) 1,3-Butadiene	2.973	39	997661	13.981	ppbv	99
17) tert-Butyl alcohol	3.861	59	1826662	14.996	ppbv	99
18) 1,1-Dichloroethene	3.864	96	783989	14.172	ppbv	98
19) Isopropyl Alcohol	3.562	45	998621	12.789	ppbv	100
20) Methylene Chloride	3.918	84	642783	12.906	ppbv	93
21) Allyl Chloride	3.979	41	1225956	13.997	ppbv	99
22) trans-1,2-Dichloroethene	4.430	96	781882	14.136	ppbv	99
23) Vinyl Acetate	4.610	43	1212589	11.888	ppbv #	98
24) 1,1-Dichloroethane	4.549	63	1656513	13.792	ppbv	99
25) Ethyl Acetate	5.185	43	3850317	14.511	ppbv	99
26) Hexane	5.195	57	1577948	14.336	ppbv	99
27) Carbon Disulfide	4.108	76	1898447	14.743	ppbv	99
28) Methyl tert-Butyl Ether	4.568	73	934921	13.469	ppbv	100
29) Chloroform	5.259	83	2472134	13.770	ppbv	98
30) Cyclohexane	6.584	84	1384242	15.443	ppbv	96
31) cis-1,2-Dichloroethene	5.063	61	1572482	14.462	ppbv	99
32) 1,1,1-Trichloroethane	5.986	97	2449235	14.015	ppbv	99
34) 2-Butanone	4.767	43	2226315	14.132	ppbv	99
35) Carbon Tetrachloride	6.478	117	2562607	14.267	ppbv	99
36) Benzene	6.352	78	3400759	14.291	ppbv	98
37) 1,2-Dichloroethane	5.790	62	1894411	14.224	ppbv	99
38) Trichloroethene	7.272	130	1777141	16.301	ppbv	97
39) 1,2-Dichloropropane	7.057	63	1318620	14.474	ppbv	99
40) 1,4-Dioxane	7.266	88	453503	12.392	ppbv #	47
41) Tetrahydrofuran	5.536	42	1391996	15.449	ppbv	100
42) Bromodichloromethane	7.233	83	2707351	14.078	ppbv	97
43) Methyl Methacrylate	7.455	69	1368120	16.033	ppbv	98
44) 2,2,4-Trimethylpentane	7.307	57	5619291	14.138	ppbv	99
45) t-1,3-Dichloropropene	8.693	75	1264444	16.099	ppbv	100
46) cis-1,3-Dichloropropene	8.124	75	1733083	15.281	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091624\
 Data File : VL041598.D
 Acq On : 16 Sep 2024 17:20
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Quant Time: Sep 17 09:14:19 2024
 Quant Title :
 QLast Update : Tue Sep 17 09:12:21 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/17/2024
 Supervised By :Mahesh Dadoda 09/17/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,2-Trichloroethane	8.880	97	1416240	14.103	ppbv	97
48) Dibromochloromethane	9.693	129	2380715	14.716	ppbv	99
49) Bromoform	12.388	173	2103505	15.393	ppbv	100
50) 4-Methyl-2-Pentanone	8.159	43	3768387	15.162	ppbv	99
51) 2-Hexanone	9.529	43	3039864	16.175	ppbv	98
52) Tetrachloroethene	10.597	164	1298509	14.122	ppbv	99
53) Toluene	9.204	91	3987119	15.042	ppbv	99
54) 1,2-Dibromoethane	9.989	107	1951435	14.599	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.490	131	1724113	13.360	ppbv #	92
57) Chlorobenzene	11.507	112	3100633	13.087	ppbv	98
58) Ethyl Benzene	12.069	91	5323752	13.880	ppbv	100
59) m/p-Xylene	12.352	91	9021854m	27.249	ppbv	
60) o-Xylene	13.037	91	4380559	13.986	ppbv	99
61) Styrene	12.879	104	2207148	15.620	ppbv	100
62) Isopropylbenzene	14.011	105	6290796	13.212	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.027	83	2059305	10.412	ppbv	99
64) n-propylbenzene	14.899	120	1733510	13.926	ppbv	94
65) tert-Butylbenzene	16.072	119	5661694	13.165	ppbv	99
66) Benzyl Chloride	16.304	91	343877	12.466	ppbv	97
67) sec-Butylbenzene	16.616	105	7844186	13.238	ppbv	98
69) p-Isopropyltoluene	16.976	119	6613794	13.451	ppbv	99
70) n-Butylbenzene	17.863	91	6825900	13.542	ppbv	99
71) 2-Chlorotoluene	14.780	91	4774971	13.599	ppbv	99
72) 4-Ethyltoluene	15.172	105	5251979	14.243	ppbv	98
73) 1,3,5-Trimethylbenzene	15.330	105	4527850	14.254	ppbv	98
74) 1,2,4-Trimethylbenzene	16.088	105	4937113	13.368	ppbv	98
75) 1,3-Dichlorobenzene	16.313	146	3113298	13.410	ppbv	99
76) 1,4-Dichlorobenzene	16.455	146	3063921	13.630	ppbv	99
77) 1,2-Dichlorobenzene	17.120	146	3015374	13.102	ppbv	100
78) Hexachloro-1,3-Butadiene	22.609	225	2302119	11.730	ppbv	99
79) Naphthalene	21.358	128	4916804	15.084	ppbv	99
80) Naphthalene,2-methyl-	24.355	142	3899900	14.273	ppbv	99
81) 1,2,4-Trichlorobenzene	21.117	180	2616194	13.487	ppbv	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091624\
 Data File : VL041599.D
 Acq On : 16 Sep 2024 18:46
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL091624

Quant Time: Sep 17 09:18:19 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Sep 17 09:12:21 2024

Response via : Initial Calibration

Manual Integrations

APPROVED

Reviewed By : Semsettin Yesilyurt 09/17/2024
 Supervised By : Mahesh Dadoda 09/17/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.176	49	1211658	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.636	114	3308799	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.449	117	3161469m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.751 95 2308391 9.919 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.723	85	1544917	8.829	ppbv	99
3) Chlorodifluoromethane	2.668	51	1323860	9.008	ppbv	99
4) Chloromethane	2.806	50	724772	8.966	ppbv	95
5) Vinyl Chloride	2.912	62	707659	10.111	ppbv	99
6) Bromomethane	3.108	94	319232	9.168	ppbv	99
7) Chloroethane	3.189	64	251821	9.251	ppbv	99
8) Dichlorotetrafluoroethane	2.848	85	1641100	8.941	ppbv	98
9) Propene	2.687	41	640849	10.338	ppbv	100
10) Heptane	7.565	43	1512434	10.420	ppbv	100
11) Trichlorofluoromethane	3.552	101	1652570	8.875	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.054	101	1197204	8.877	ppbv	99
13) Ethanol	3.240	45	22445m	4.816	ppbv	
14) Bromoethene	3.356	108	497665	9.732	ppbv	98
15) Acetone	3.456	43	1235854	8.124	ppbv	99
16) 1,3-Butadiene	2.977	39	708349	9.574	ppbv	99
17) tert-Butyl alcohol	3.864	59	1338127	10.002	ppbv	100
18) 1,1-Dichloroethene	3.867	96	531734	9.314	ppbv	99
19) Isopropyl Alcohol	3.562	45	679011	8.720	ppbv	99
20) Methylene Chloride	3.919	84	447442	7.830	ppbv	95
21) Allyl Chloride	3.983	41	870229	9.870	ppbv	100
22) trans-1,2-Dichloroethene	4.433	96	544525	9.561	ppbv	99
23) Vinyl Acetate	4.610	43	879864	10.516	ppbv #	97
24) 1,1-Dichloroethane	4.549	63	1155920	9.204	ppbv	99
25) Ethyl Acetate	5.189	43	2756002	10.092	ppbv	99
26) Hexane	5.195	57	1129442	9.917	ppbv	99
27) Carbon Disulfide	4.112	76	1301729	10.753	ppbv	99
28) Methyl tert-Butyl Ether	4.571	73	708243	10.087	ppbv	99
29) Chloroform	5.259	83	1692873	9.084	ppbv	100
30) Cyclohexane	6.587	84	939832	10.706	ppbv	98
31) cis-1,2-Dichloroethene	5.063	61	1109424	10.261	ppbv	98
32) 1,1,1-Trichloroethane	5.986	97	1671780	10.071	ppbv	99
34) 2-Butanone	4.771	43	1595025	10.110	ppbv	99
35) Carbon Tetrachloride	6.475	117	1729977	10.656	ppbv	98
36) Benzene	6.353	78	2377400	10.346	ppbv	100
37) 1,2-Dichloroethane	5.790	62	1303965	9.780	ppbv	99
38) Trichloroethene	7.272	130	1220709	10.316	ppbv	99
39) 1,2-Dichloropropane	7.057	63	924715	9.892	ppbv	97
40) 1,4-Dioxane	7.269	88	268441m	7.618	ppbv	
41) Tetrahydrofuran	5.539	42	998000	11.494	ppbv	100
42) Bromodichloromethane	7.230	83	1853470	9.992	ppbv	99
43) Methyl Methacrylate	7.455	69	952193	11.579	ppbv	98
44) 2,2,4-Trimethylpentane	7.308	57	3942109	9.916	ppbv	99
45) t-1,3-Dichloropropene	8.693	75	854719	12.892	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091624\
 Data File : VL041599.D
 Acq On : 16 Sep 2024 18:46
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL091624

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/17/2024
 Supervised By : Mahesh Dadoda 09/17/2024

Quant Time: Sep 17 09:18:19 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Sep 17 09:12:21 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.124	75	1179959	12.148	ppbv	98
47) 1,1,2-Trichloroethane	8.880	97	965904	9.731	ppbv	97
48) Dibromochloromethane	9.690	129	1596069	10.613	ppbv	100
49) Bromoform	12.388	173	1398574	10.834	ppbv	99
50) 4-Methyl-2-Pentanone	8.163	43	2618515	10.747	ppbv	99
51) 2-Hexanone	9.529	43	2107044	11.433	ppbv #	99
52) Tetrachloroethene	10.594	164	876069	10.529	ppbv	97
53) Toluene	9.201	91	2736931	11.220	ppbv	100
54) 1,2-Dibromoethane	9.989	107	1334237	10.916	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.487	131	1153971	9.349	ppbv	100
57) Chlorobenzene	11.507	112	2110664	9.260	ppbv	98
58) Ethyl Benzene	12.066	91	3636857	10.746	ppbv	100
59) m/p-Xylene	12.352	91	6119550m	20.317	ppbv	
60) o-Xylene	13.034	91	2941243	10.185	ppbv	99
61) Styrene	12.873	104	1461911	12.117	ppbv	100
62) Isopropylbenzene	14.008	105	4273531	9.768	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.028	83	1389186	9.409	ppbv	99
64) n-propylbenzene	14.896	120	1144513	10.129	ppbv	99
65) tert-Butylbenzene	16.069	119	3822907	9.532	ppbv	99
66) Benzyl Chloride	16.304	91	212798	10.206	ppbv	100
67) sec-Butylbenzene	16.613	105	5350490	9.616	ppbv	100
69) p-Isopropyltoluene	16.973	119	4497521	9.986	ppbv	100
70) n-Butylbenzene	17.863	91	4595438	9.740	ppbv	100
71) 2-Chlorotoluene	14.780	91	3223465	10.013	ppbv	100
72) 4-Ethyltoluene	15.169	105	3524544	10.441	ppbv	99
73) 1,3,5-Trimethylbenzene	15.327	105	3014196	10.112	ppbv	98
74) 1,2,4-Trimethylbenzene	16.085	105	3320425	9.517	ppbv	99
75) 1,3-Dichlorobenzene	16.307	146	2073354	9.482	ppbv	100
76) 1,4-Dichlorobenzene	16.452	146	2027061	9.675	ppbv	99
77) 1,2-Dichlorobenzene	17.117	146	1996843	9.250	ppbv	100
78) Hexachloro-1,3-Butadiene	22.612	225	1507968m	8.468	ppbv	
79) Naphthalene	21.355	128	3203623	12.476	ppbv	98
80) Naphthalene,2-methyl-	24.349	142	2446937	13.599	ppbv	99
81) 1,2,4-Trichlorobenzene	21.114	180	1671079	10.236	ppbv	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091624\
 Data File : VL041599.D
 Acq On : 16 Sep 2024 18:46
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL091624

Quant Time: Sep 17 09:18:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 17 09:12:21 2024
 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	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	105	0.00
2 T	Dichlorodifluoromethane	1.444	1.275	11.7	102	0.01
3	Chlorodifluoromethane	1.213	1.093	9.9	104	0.02
4	Chloromethane	0.667	0.598	10.3	103	0.02
5 T	Vinyl Chloride	0.578	0.584	-1.0	105	0.02
6 T	Bromomethane	0.287	0.263	8.4	101	0.01
7	Chloroethane	0.225	0.208	7.6	102	0.02
8 T	Dichlorotetrafluoroethane	1.515	1.354	10.6	100	0.01
9 T	Propene	0.512	0.529	-3.3	108	0.02
10 T	Heptane	1.198	1.248	-4.2	103	0.00
11 T	Trichlorofluoromethane	1.537	1.364	11.3	100	0.01
12 T	1,1,2-Trichlorotrifluoroeth	1.113	0.988	11.2	100	0.01
13	Ethanol	0.038	0.019#	50.0#	82	0.02
14 T	Bromoethene	0.422	0.411	2.6	102	0.01
15 T	Acetone	1.255	1.020	18.7	104	0.01
16 T	1,3-Butadiene	0.611	0.585	4.3	106	0.01
17	tert-Butyl alcohol	1.104	1.104	0.0	106	0.01
18 T	1,1-Dichloroethene	0.471	0.439	6.8	97	0.00
19 T	Isopropyl Alcohol	0.643	0.560	12.9	94	0.00
20 T	Methylene Chloride	0.472	0.369	21.8	100	0.00
21 T	Allyl Chloride	0.728	0.718	1.4	103	0.00
22 T	trans-1,2-Dichloroethene	0.470	0.449	4.5	103	0.01
23 T	Vinyl Acetate	0.691	0.726	-5.1	111	0.00
24 T	1,1-Dichloroethane	1.036	0.954	7.9	101	0.00
25 T	Ethyl Acetate	2.254	2.275	-0.9	105	0.00
26 T	Hexane	0.940	0.932	0.9	106	0.00
27 T	Carbon Disulfide	0.999	1.074	-7.5	102	0.01
28 T	Methyl tert-Butyl Ether	0.579	0.585	-1.0	110	0.00
29 T	Chloroform	1.538	1.397	9.2	101	0.00
30 T	Cyclohexane	0.725	0.776	-7.0	104	0.00
31 T	cis-1,2-Dichloroethene	0.892	0.916	-2.7	107	0.00
32 T	1,1,1-Trichloroethane	1.370	1.380	-0.7	101	0.00
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
34 T	2-Butanone	0.477	0.482	-1.0	106	0.00
35 T	Carbon Tetrachloride	0.491	0.523	-6.5	100	0.00
36 T	Benzene	0.694	0.719	-3.6	104	0.00
37 T	1,2-Dichloroethane	0.403	0.394	2.2	102	0.00
38 T	Trichloroethene	0.358	0.369	-3.1	101	0.00
39 T	1,2-Dichloropropane	0.283	0.279	1.4	105	0.00
40 T	1,4-Dioxane	0.107	0.081	24.3	74	0.00
41 T	Tetrahydrofuran	0.262	0.302	-15.3	108	0.00
42 T	Bromodichloromethane	0.561	0.560	0.2	101	0.00
43	Methyl Methacrylate	0.249	0.288	-15.7	106	0.00
44 T	2,2,4-Trimethylpentane	1.202	1.191	0.9	102	0.00
45 T	t-1,3-Dichloropropene	0.200	0.258	-29.0	109	0.00
46 T	cis-1,3-Dichloropropene	0.294	0.357	-21.4	105	0.00
47 T	1,1,2-Trichloroethane	0.300	0.292	2.7	101	0.00
48 T	Dibromochloromethane	0.455	0.482	-5.9	101	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091624\
 Data File : VL041599.D
 Acq On : 16 Sep 2024 18:46
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL091624

Quant Time: Sep 17 09:18:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 17 09:12:21 2024
 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	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	Bromoform	0.390	0.423	-8.5	101	0.00
50 T	4-Methyl-2-Pentanone	0.736	0.791	-7.5	104	0.00
51 T	2-Hexanone	0.557	0.637	-14.4	105	0.00
52 T	Tetrachloroethene	0.251	0.265	-5.6	103	0.00
53 T	Toluene	0.737	0.827	-12.2	103	0.00
54 T	1,2-Dibromoethane	0.369	0.403	-9.2	103	0.00
55 I	Chlorobenzene-d5	1.000	1.000	0.0	103	0.00
56	1,1,1,2-Tetrachloroethane	0.390	0.365	6.4	99	0.00
57 T	Chlorobenzene	0.721	0.668	7.4	100	0.00
58 T	Ethyl Benzene	1.070	1.150	-7.5	101	0.00
59 T	m/p-Xylene	0.953	0.968	-1.6	100	0.00
60 T	o-Xylene	0.913	0.930	-1.9	100	0.00
61 T	Styrene	0.382	0.462	-20.9	102	0.00
62	Isopropylbenzene	1.384	1.352	2.3	100	0.00
63 T	1,1,2,2-Tetrachloroethane	0.467	0.439	6.0	99	0.00
64	n-propylbenzene	0.357	0.362	-1.4	100	0.00
65	tert-Butylbenzene	1.269	1.209	4.7	99	0.00
66 T	Benzyl Chloride	0.066	0.067	-1.5	103	0.00
67	sec-Butylbenzene	1.760	1.692	3.9	98	0.00
68 S	1-Bromo-4-Fluorobenzene	0.736	0.730	0.8	101	0.00
69	p-Isopropyltoluene	1.425	1.423	0.1	99	0.00
70	n-Butylbenzene	1.492	1.454	2.5	99	0.00
71	2-Chlorotoluene	1.018	1.020	-0.2	100	0.00
72 T	4-Ethyltoluene	1.068	1.115	-4.4	100	0.00
73 T	1,3,5-Trimethylbenzene	0.943	0.953	-1.1	99	0.00
74 T	1,2,4-Trimethylbenzene	1.104	1.050	4.9	99	0.00
75 T	1,3-Dichlorobenzene	0.692	0.656	5.2	99	0.00
76 T	1,4-Dichlorobenzene	0.663	0.641	3.3	100	0.00
77 T	1,2-Dichlorobenzene	0.683	0.632	7.5	99	0.00
78 T	Hexachloro-1,3-Butadiene	0.563	0.477	15.3	100	0.00
79 T	Naphthalene	0.812	1.013	-24.8	101	0.00
80 T	Naphthalene,2-methyl-	0.569	0.774	-36.0#	106	0.00
81 T	1,2,4-Trichlorobenzene	0.516	0.529	-2.5	100	0.00

(#) = Out of Range

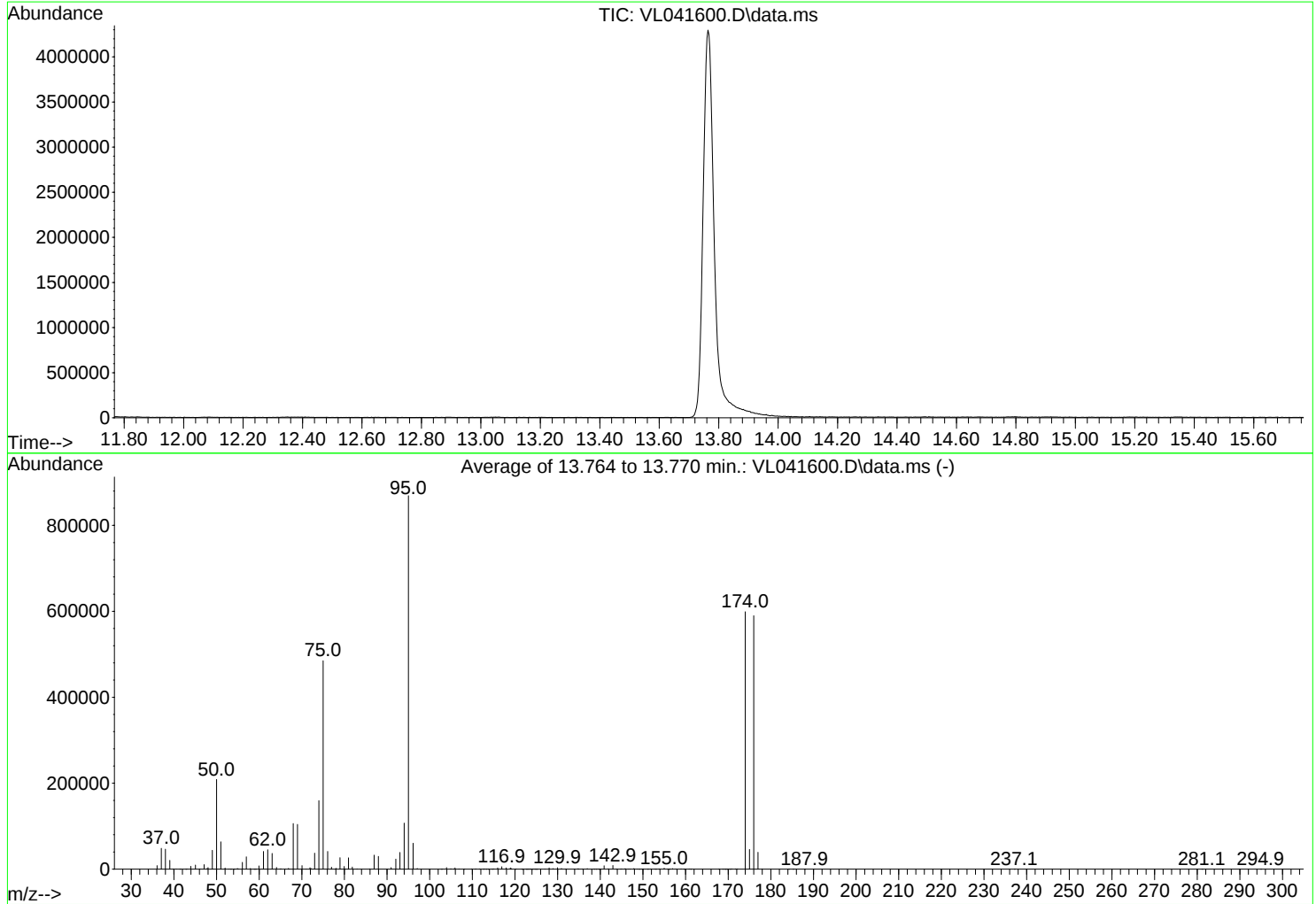
SPCC's out = 0 CCC's out = 0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091824\
Data File : VL041600.D
Acq On : 18 Sep 2024 8:06
Operator : SY/MD
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\VL091624AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
Last Update : Tue Sep 17 09:12:21 2024



AutoFind: Scans 3471, 3472, 3473; Background Corrected with Scan 3447

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	24.0	208555	PASS
75	95	30	66	55.8	485056	PASS
95	95	100	100	100.0	869077	PASS
96	95	5	9	7.0	60467	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	68.9	599040	PASS
175	174	4	9	7.6	45741	PASS
176	174	93	101	98.5	589888	PASS
177	176	5	9	6.7	39323	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091824\
 Data File : VL041601.D
 Acq On : 18 Sep 2024 8:46
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Sep 19 01:28:02 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Sep 17 09:12:21 2024

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/19/2024
 Supervised By : Mahesh Dadoda 09/19/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.185	49	1176243	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.645	114	3208665	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.458	117	3110660	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2275993	9.939	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.726	85	1344207	7.913	ppbv	99
3) Chlorodifluoromethane	2.671	51	1296141	9.085	ppbv	99
4) Chloromethane	2.809	50	708455	9.028	ppbv	97
5) Vinyl Chloride	2.915	62	705961	10.390	ppbv	98
6) Bromomethane	3.115	94	311784	9.223	ppbv	97
7) Chloroethane	3.192	64	251005	9.499	ppbv	98
8) Dichlorotetrafluoroethane	2.851	85	1646174	9.238	ppbv	100
9) Propene	2.690	41	612014	10.170	ppbv	98
10) Heptane	7.571	43	1478682	10.495	ppbv	100
11) Trichlorofluoromethane	3.555	101	1639385	9.069	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.060	101	1214036	9.273	ppbv	100
13) Ethanol	3.243	45	26533m	5.865	ppbv	
14) Bromoethene	3.359	108	499377	10.060	ppbv	100
15) Acetone	3.462	43	1208787	8.186	ppbv	100
16) 1,3-Butadiene	2.980	39	673454	9.376	ppbv	98
17) tert-Butyl alcohol	3.870	59	1261877	9.716	ppbv	100
18) 1,1-Dichloroethene	3.873	96	530425	9.571	ppbv	97
19) Isopropyl Alcohol	3.568	45	715591	9.466	ppbv #	98
20) Methylene Chloride	3.925	84	450417	8.119	ppbv	91
21) Allyl Chloride	3.989	41	858301	10.028	ppbv	100
22) trans-1,2-Dichloroethene	4.436	96	534697	9.671	ppbv	98
23) Vinyl Acetate	4.619	43	863997	10.637	ppbv	99
24) 1,1-Dichloroethane	4.555	63	1158084	9.499	ppbv	100
25) Ethyl Acetate	5.198	43	2686598	10.134	ppbv	100
26) Hexane	5.205	57	1094009	9.896	ppbv	99
27) Carbon Disulfide	4.118	76	1309474	11.142	ppbv	99
28) Methyl tert-Butyl Ether	4.578	73	673643	9.883	ppbv	98
29) Chloroform	5.266	83	1702540	9.411	ppbv	99
30) Cyclohexane	6.594	84	911409	10.695	ppbv	98
31) cis-1,2-Dichloroethene	5.073	61	1082135	10.310	ppbv	100
32) 1,1,1-Trichloroethane	5.996	97	1681151	10.433	ppbv	99
34) 2-Butanone	4.780	43	1525364	9.970	ppbv	99
35) Carbon Tetrachloride	6.484	117	1762225	11.193	ppbv	97
36) Benzene	6.362	78	2328102	10.448	ppbv	99
37) 1,2-Dichloroethane	5.799	62	1282907	9.922	ppbv	100
38) Trichloroethene	7.285	130	1247903	10.874	ppbv	99
39) 1,2-Dichloropropane	7.063	63	902201	9.952	ppbv	98
40) 1,4-Dioxane	7.278	88	375300	10.982	ppbv #	97
41) Tetrahydrofuran	5.549	42	940519	11.170	ppbv	99
42) Bromodichloromethane	7.240	83	1854610	10.310	ppbv	100
43) Methyl Methacrylate	7.465	69	916154	11.489	ppbv	99
44) 2,2,4-Trimethylpentane	7.320	57	3916909	10.160	ppbv	100
45) t-1,3-Dichloropropene	8.700	75	816302	12.697	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091824\
 Data File : VL041601.D
 Acq On : 18 Sep 2024 8:46
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/19/2024
 Supervised By : Mahesh Dadoda 09/19/2024

Quant Time: Sep 19 01:28:02 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Sep 17 09:12:21 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	1139357	12.096	ppbv	97
47) 1,1,2-Trichloroethane	8.893	97	973665	10.116	ppbv	99
48) Dibromochloromethane	9.703	129	1597346	10.953	ppbv	99
49) Bromoform	12.400	173	1390368	11.106	ppbv	100
50) 4-Methyl-2-Pentanone	8.172	43	2573409	10.892	ppbv	100
51) 2-Hexanone	9.542	43	2058868	11.520	ppbv	100
52) Tetrachloroethene	10.606	164	868142	10.759	ppbv	98
53) Toluene	9.214	91	2687707	11.362	ppbv	99
54) 1,2-Dibromoethane	10.002	107	1304646	11.007	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.500	131	1174008	9.667	ppbv	98
57) Chlorobenzene	11.519	112	2106729	9.393	ppbv	99
58) Ethyl Benzene	12.079	91	3644079	10.943	ppbv	98
59) m/p-Xylene	12.365	91	6150817m	20.754	ppbv	
60) o-Xylene	13.050	91	2949502	10.380	ppbv	99
61) Styrene	12.889	104	1446412	12.185	ppbv	100
62) Isopropylbenzene	14.018	105	4295725	9.979	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.037	83	1399331	9.632	ppbv	99
64) n-propylbenzene	14.908	120	1163729	10.467	ppbv	99
65) tert-Butylbenzene	16.082	119	3881352	9.836	ppbv	99
66) Benzyl Chloride	16.317	91	210631	10.268	ppbv	100
67) sec-Butylbenzene	16.629	105	5423308	9.906	ppbv	100
69) p-Isopropyltoluene	16.985	119	4552021	10.272	ppbv	99
70) n-Butylbenzene	17.876	91	4680037	10.082	ppbv	99
71) 2-Chlorotoluene	14.789	91	3243345	10.240	ppbv	99
72) 4-Ethyltoluene	15.182	105	3543918	10.670	ppbv	100
73) 1,3,5-Trimethylbenzene	15.342	105	3032687	10.340	ppbv	97
74) 1,2,4-Trimethylbenzene	16.098	105	3382442	9.853	ppbv	99
75) 1,3-Dichlorobenzene	16.320	146	2085381	9.693	ppbv	100
76) 1,4-Dichlorobenzene	16.465	146	2059008	9.987	ppbv	99
77) 1,2-Dichlorobenzene	17.133	146	2033227	9.573	ppbv	99
78) Hexachloro-1,3-Butadiene	22.619	225	1515419	8.649	ppbv	100
79) Naphthalene	21.371	128	3186137	12.611	ppbv	99
80) Naphthalene,2-methyl-	24.361	142	2359812	13.329	ppbv	99
81) 1,2,4-Trichlorobenzene	21.127	180	1691433	10.530	ppbv	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091824\
 Data File : VL041601.D
 Acq On : 18 Sep 2024 8:46
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Sep 19 01:28:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 17 09:12:21 2024
 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	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	1.000	1.000	0.0	102	0.02
2 T	Dichlorodifluoromethane	1.444	1.143	20.8	89	0.02
3	Chlorodifluoromethane	1.213	1.102	9.2	102	0.02
4	Chloromethane	0.667	0.602	9.7	100	0.02
5 T	Vinyl Chloride	0.578	0.600	-3.8	104	0.02
6 T	Bromomethane	0.287	0.265	7.7	99	0.02
7	Chloroethane	0.225	0.213	5.3	102	0.02
8 T	Dichlorotetrafluoroethane	1.515	1.400	7.6	100	0.02
9 T	Propene	0.512	0.520	-1.6	103	0.02
10 T	Heptane	1.198	1.257	-4.9	101	0.02
11 T	Trichlorofluoromethane	1.537	1.394	9.3	99	0.02
12 T	1,1,2-Trichlorotrifluoroeth	1.113	1.032	7.3	101	0.02
13	Ethanol	0.038	0.023#	39.5#	97	0.02
14 T	Bromoethene	0.422	0.425	-0.7	102	0.02
15 T	Acetone	1.255	1.028	18.1	102	0.02
16 T	1,3-Butadiene	0.611	0.573	6.2	101	0.02
17	tert-Butyl alcohol	1.104	1.073	2.8	100	0.02
18 T	1,1-Dichloroethene	0.471	0.451	4.2	97	0.02
19 T	Isopropyl Alcohol	0.643	0.608	5.4	99	0.02
20 T	Methylene Chloride	0.472	0.383	18.9	101	0.02
21 T	Allyl Chloride	0.728	0.730	-0.3	101	0.02
22 T	trans-1,2-Dichloroethene	0.470	0.455	3.2	101	0.02
23 T	Vinyl Acetate	0.691	0.735	-6.4	109	0.02
24 T	1,1-Dichloroethane	1.036	0.985	4.9	101	0.02
25 T	Ethyl Acetate	2.254	2.284	-1.3	102	0.02
26 T	Hexane	0.940	0.930	1.1	102	0.02
27 T	Carbon Disulfide	0.999	1.113	-11.4	102	0.02
28 T	Methyl tert-Butyl Ether	0.579	0.573	1.0	105	0.02
29 T	Chloroform	1.538	1.447	5.9	101	0.02
30 T	Cyclohexane	0.725	0.775	-6.9	101	0.02
31 T	cis-1,2-Dichloroethene	0.892	0.920	-3.1	104	0.02
32 T	1,1,1-Trichloroethane	1.370	1.429	-4.3	101	0.02
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	101	0.02
34 T	2-Butanone	0.477	0.475	0.4	102	0.02
35 T	Carbon Tetrachloride	0.491	0.549	-11.8	102	0.01
36 T	Benzene	0.694	0.726	-4.6	102	0.02
37 T	1,2-Dichloroethane	0.403	0.400	0.7	101	0.02
38 T	Trichloroethene	0.358	0.389	-8.7	103	0.02
39 T	1,2-Dichloropropane	0.283	0.281	0.7	103	0.01
40 T	1,4-Dioxane	0.107	0.117	-9.3	104	0.02
41 T	Tetrahydrofuran	0.262	0.293	-11.8	102	0.02
42 T	Bromodichloromethane	0.561	0.578	-3.0	101	0.01
43	Methyl Methacrylate	0.249	0.286	-14.9	102	0.02
44 T	2,2,4-Trimethylpentane	1.202	1.221	-1.6	101	0.02
45 T	t-1,3-Dichloropropene	0.200	0.254	-27.0	104	0.01
46 T	cis-1,3-Dichloropropene	0.294	0.355	-20.7	101	0.02
47 T	1,1,2-Trichloroethane	0.300	0.303	-1.0	102	0.02
48 T	Dibromochloromethane	0.455	0.498	-9.5	102	0.02

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091824\
 Data File : VL041601.D
 Acq On : 18 Sep 2024 8:46
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 LabSampleId :
 VSTDCCC010

Quant Time: Sep 19 01:28:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 17 09:12:21 2024
 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	AvgRF	CCRF	%Dev	Area%	Dev(min)
49 T	Bromoform	0.390	0.433	-11.0	101	0.02
50 T	4-Methyl-2-Pentanone	0.736	0.802	-9.0	102	0.02
51 T	2-Hexanone	0.557	0.642	-15.3	102	0.02
52 T	Tetrachloroethene	0.251	0.271	-8.0	102	0.02
53 T	Toluene	0.737	0.838	-13.7	101	0.02
54 T	1,2-Dibromoethane	0.369	0.407	-10.3	100	0.02
55 I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.01
56	1,1,1,2-Tetrachloroethane	0.390	0.377	3.3	101	0.01
57 T	Chlorobenzene	0.721	0.677	6.1	100	0.02
58 T	Ethyl Benzene	1.070	1.171	-9.4	101	0.01
59 T	m/p-Xylene	0.953	0.989	-3.8	101	0.02
60 T	o-Xylene	0.913	0.948	-3.8	100	0.02
61 T	Styrene	0.382	0.465	-21.7	101	0.02
62	Isopropylbenzene	1.384	1.381	0.2	100	0.01
63 T	1,1,2,2-Tetrachloroethane	0.467	0.450	3.6	100	0.01
64	n-propylbenzene	0.357	0.374	-4.8	101	0.01
65	tert-Butylbenzene	1.269	1.248	1.7	101	0.02
66 T	Benzyl Chloride	0.066	0.068	-3.0	102	0.01
67	sec-Butylbenzene	1.760	1.743	1.0	100	0.02
68 S	1-Bromo-4-Fluorobenzene	0.736	0.732	0.5	100	0.02
69	p-Isopropyltoluene	1.425	1.463	-2.7	100	0.01
70	n-Butylbenzene	1.492	1.505	-0.9	100	0.01
71	2-Chlorotoluene	1.018	1.043	-2.5	101	0.01
72 T	4-Ethyltoluene	1.068	1.139	-6.6	100	0.01
73 T	1,3,5-Trimethylbenzene	0.943	0.975	-3.4	100	0.02
74 T	1,2,4-Trimethylbenzene	1.104	1.087	1.5	101	0.01
75 T	1,3-Dichlorobenzene	0.692	0.670	3.2	100	0.01
76 T	1,4-Dichlorobenzene	0.663	0.662	0.2	101	0.01
77 T	1,2-Dichlorobenzene	0.683	0.654	4.2	101	0.01
78 T	Hexachloro-1,3-Butadiene	0.563	0.487	13.5	100	0.00
79 T	Naphthalene	0.812	1.024	-26.1	101	0.01
80 T	Naphthalene,2-methyl-	0.569	0.759	-33.4#	103	0.00
81 T	1,2,4-Trichlorobenzene	0.516	0.544	-5.4	101	0.01

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091824\
 Data File : VL041602.D
 Acq On : 18 Sep 2024 9:36
 Operator : SY/MD
 Sample : VL0918ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABL01

Quant Time: Sep 19 01:29:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 17 09:12:21 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.185	49	1177899	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.645	114	3241896	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.452	117	2826139	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.761	95	2076380	9.981	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.800%

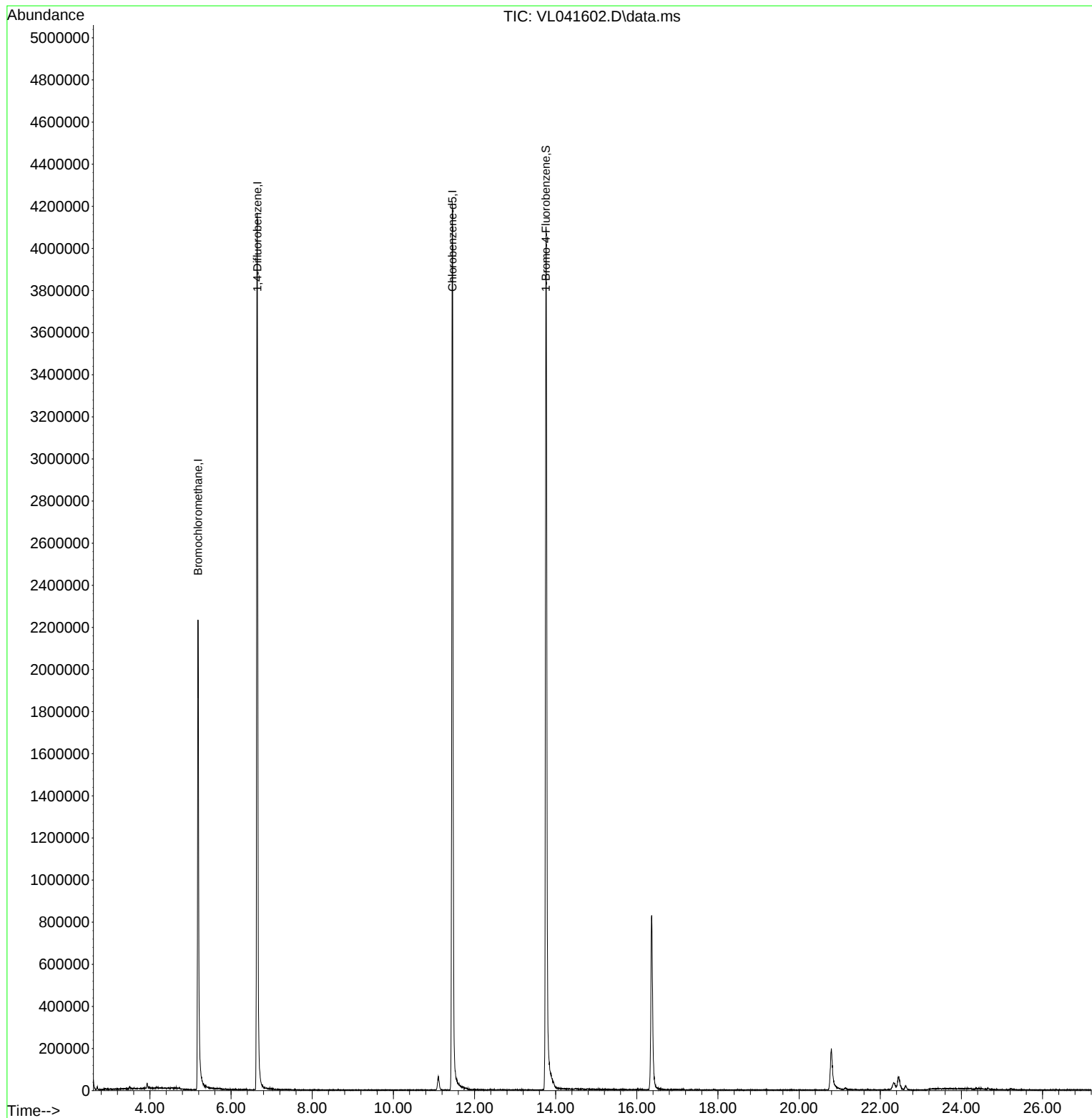
Target Compounds	Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091824\
Data File : VL041602.D
Acq On : 18 Sep 2024 9:36
Operator : SY/MD
Sample : VL0918ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABL01

Quant Time: Sep 19 01:29:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Sep 17 09:12:21 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091824\
 Data File : VL041603.D
 Acq On : 18 Sep 2024 10:16
 Operator : SY/MD
 Sample : VL0918ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS01

Quant Time: Sep 19 01:29:22 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Tue Sep 17 09:12:21 2024

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/19/2024
 Supervised By : Mahesh Dadoda 09/19/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.189	49	1156371	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.648	114	3163270	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.462	117	3156402	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 2259237 9.723 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.732	85	1884134	11.282	ppbv	99
3) Chlorodifluoromethane	2.677	51	1281112	9.134	ppbv	99
4) Chloromethane	2.816	50	707023	9.165	ppbv	98
5) Vinyl Chloride	2.922	62	686540	10.278	ppbv	99
6) Bromomethane	3.121	94	316275	9.517	ppbv	99
7) Chloroethane	3.198	64	236020	9.085	ppbv	98
8) Dichlorotetrafluoroethane	2.858	85	1659459	9.473	ppbv	99
9) Propene	2.697	41	588244	9.943	ppbv	99
10) Heptane	7.574	43	1457487	10.522	ppbv	99
11) Trichlorofluoromethane	3.562	101	1615013	9.088	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.063	101	1190198	9.248	ppbv	99
13) Ethanol	3.250	45	26862m	6.039	ppbv	
14) Bromoethene	3.366	108	487861	9.997	ppbv	98
15) Acetone	3.468	43	1192968	8.217	ppbv	99
16) 1,3-Butadiene	2.986	39	693352	9.819	ppbv	96
17) tert-Butyl alcohol	3.877	59	1224256	9.589	ppbv	99
18) 1,1-Dichloroethene	3.880	96	535313	9.825	ppbv	99
19) Isopropyl Alcohol	3.575	45	656028	8.827	ppbv #	98
20) Methylene Chloride	3.931	84	441509	8.095	ppbv	98
21) Allyl Chloride	3.993	41	813252	9.665	ppbv	98
22) trans-1,2-Dichloroethene	4.443	96	522406	9.611	ppbv	99
23) Vinyl Acetate	4.623	43	835177	10.459	ppbv	98
24) 1,1-Dichloroethane	4.562	63	1142671	9.534	ppbv	99
25) Ethyl Acetate	5.201	43	2647300	10.158	ppbv	99
26) Hexane	5.208	57	1074230	9.884	ppbv	100
27) Carbon Disulfide	4.121	76	1270273	10.995	ppbv	100
28) Methyl tert-Butyl Ether	4.584	73	657790	9.816	ppbv	99
29) Chloroform	5.272	83	1685499	9.477	ppbv	98
30) Cyclohexane	6.597	84	909681	10.858	ppbv	100
31) cis-1,2-Dichloroethene	5.076	61	1045127	10.129	ppbv	98
32) 1,1,1-Trichloroethane	5.999	97	1637346	10.336	ppbv	98
34) 2-Butanone	4.784	43	1503091	9.965	ppbv	99
35) Carbon Tetrachloride	6.491	117	1732518	11.163	ppbv	98
36) Benzene	6.365	78	2307599	10.504	ppbv	99
37) 1,2-Dichloroethane	5.803	62	1290133	10.122	ppbv	100
38) Trichloroethene	7.288	130	1229916	10.871	ppbv	98
39) 1,2-Dichloropropane	7.070	63	887630	9.932	ppbv	99
40) 1,4-Dioxane	7.282	88	364111	10.808	ppbv #	98
41) Tetrahydrofuran	5.552	42	920914	11.094	ppbv	99
42) Bromodichloromethane	7.246	83	1840578	10.379	ppbv	97
43) Methyl Methacrylate	7.468	69	905817	11.522	ppbv	99
44) 2,2,4-Trimethylpentane	7.320	57	3875181	10.196	ppbv	100
45) t-1,3-Dichloropropene	8.703	75	809504	12.771	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091824\
 Data File : VL041603.D
 Acq On : 18 Sep 2024 10:16
 Operator : SY/MD
 Sample : VL0918ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2024
 Supervised By :Mahesh Dadoda 09/19/2024

Quant Time: Sep 19 01:29:22 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Tue Sep 17 09:12:21 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	1131086	12.181	ppbv	99
47) 1,1,2-Trichloroethane	8.893	97	963708	10.156	ppbv	98
48) Dibromochloromethane	9.706	129	1586368	11.034	ppbv	99
49) Bromoform	12.404	173	1395106	11.304	ppbv	100
50) 4-Methyl-2-Pentanone	8.176	43	2558165	10.982	ppbv	100
51) 2-Hexanone	9.542	43	1996601	11.332	ppbv #	99
52) Tetrachloroethene	10.610	164	870327	10.941	ppbv	98
53) Toluene	9.214	91	2660302	11.408	ppbv	100
54) 1,2-Dibromoethane	10.002	107	1300569	11.130	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.500	131	1174089	9.527	ppbv	98
57) Chlorobenzene	11.523	112	2083591	9.156	ppbv	99
58) Ethyl Benzene	12.082	91	3610725	10.686	ppbv	98
59) m/p-Xylene	12.365	91	6126839m	20.373	ppbv	
60) o-Xylene	13.053	91	2952785	10.241	ppbv	100
61) Styrene	12.889	104	1434081	11.906	ppbv	100
62) Isopropylbenzene	14.024	105	4303632	9.852	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.044	83	1395823	9.469	ppbv	99
64) n-propylbenzene	14.912	120	1163609	10.315	ppbv	98
65) tert-Butylbenzene	16.085	119	3844766	9.602	ppbv	100
66) Benzyl Chloride	16.320	91	212184	10.193	ppbv	99
67) sec-Butylbenzene	16.632	105	5382674	9.689	ppbv	100
69) p-Isopropyltoluene	16.989	119	4506080	10.021	ppbv	100
70) n-Butylbenzene	17.879	91	4641102	9.853	ppbv	100
71) 2-Chlorotoluene	14.796	91	3239678	10.080	ppbv	100
72) 4-Ethyltoluene	15.188	105	3572445	10.600	ppbv	99
73) 1,3,5-Trimethylbenzene	15.346	105	3028398	10.176	ppbv	97
74) 1,2,4-Trimethylbenzene	16.101	105	3355900	9.634	ppbv	99
75) 1,3-Dichlorobenzene	16.323	146	2087035	9.560	ppbv	100
76) 1,4-Dichlorobenzene	16.468	146	2006487	9.592	ppbv	99
77) 1,2-Dichlorobenzene	17.137	146	2006971	9.312	ppbv	100
78) Hexachloro-1,3-Butadiene	22.625	225	1497828	8.425	ppbv	99
79) Naphthalene	21.374	128	3150966	12.291	ppbv	98
80) Naphthalene,2-methyl-	24.368	142	2210947	12.308	ppbv	99
81) 1,2,4-Trichlorobenzene	21.133	180	1664970	10.215	ppbv	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091824\
 Data File : VL041612.D
 Acq On : 18 Sep 2024 18:31
 Operator : SY/MD
 Sample : QC090324 CAN10197
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC090324 CAN10197

Quant Time: Sep 19 01:36:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 17 09:12:21 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.195	49	1014390	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.651	114	2762018	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.462	117	2360330	10.000	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1677517	9.655	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.500%

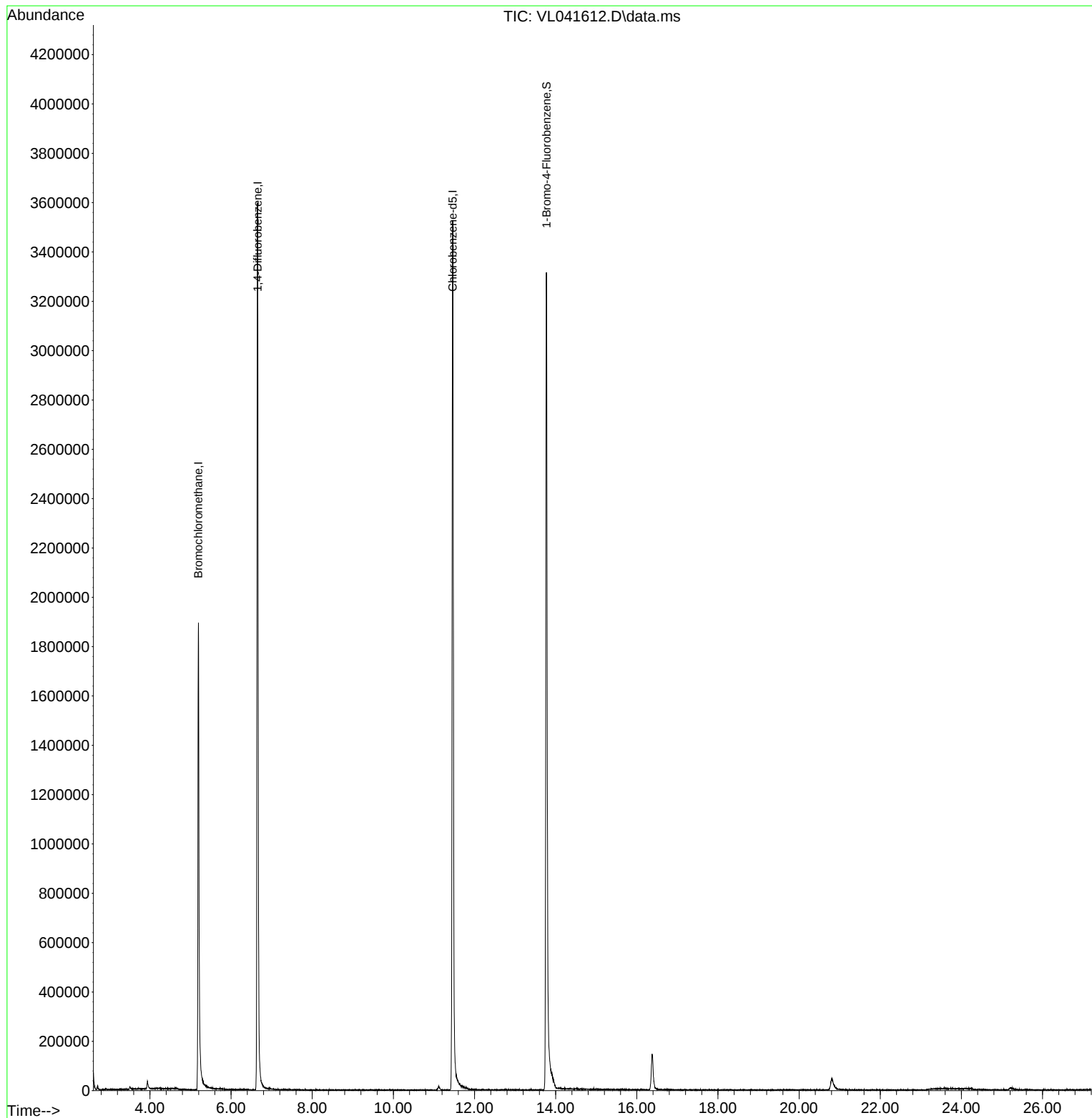
Target Compounds	Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091824\
Data File : VL041612.D
Acq On : 18 Sep 2024 18:31
Operator : SY/MD
Sample : QC090324 CAN10197
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC090324 CAN10197

Quant Time: Sep 19 01:36:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Sep 17 09:12:21 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091824\
 Data File : VL041614.D
 Acq On : 18 Sep 2024 19:56
 Operator : SY/MD
 Sample : QC090424 CAN10401
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC090424 CAN10401

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2024
 Supervised By :Mahesh Dadoda 09/19/2024

Quant Time: Sep 19 03:39:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Sep 17 09:12:21 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.198	49	967493	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.655	114	2704848	10.000	ppbv	0.03
55) Chlorobenzene-d5	11.462	117	2397524	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.774	95	1756733	9.954	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.500%

Target Compounds	Qvalue

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

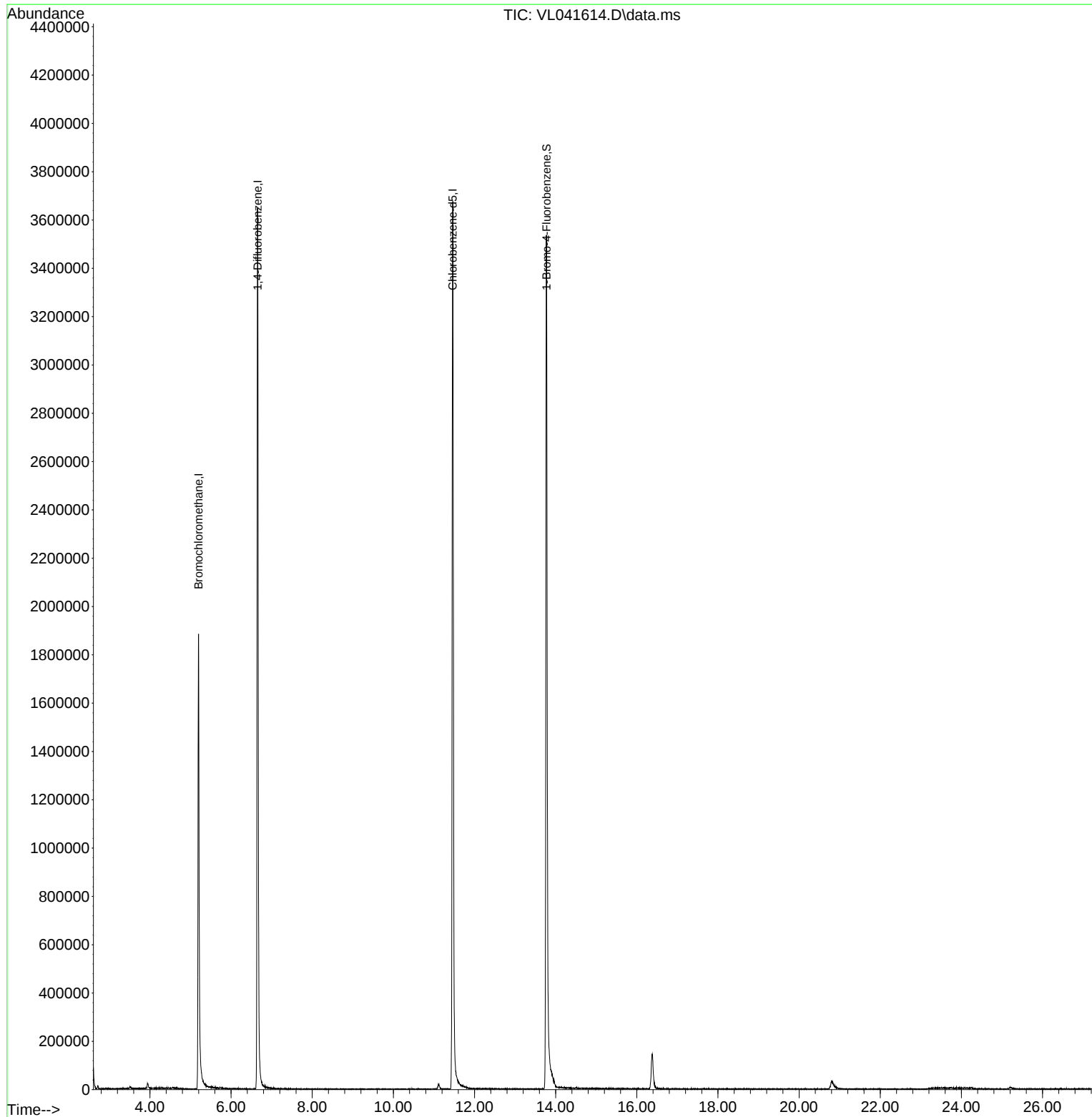
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091824\
Data File : VL041614.D
Acq On : 18 Sep 2024 19:56
Operator : SY/MD
Sample : QC090424 CAN10401
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC090424 CAN10401

Quant Time: Sep 19 03:39:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Sep 17 09:12:21 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 09/19/2024
Supervised By : Mahesh Dadoda 09/19/2024



Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QC Batch ID # VL091624

Review By	Semsettin Yesilyurt	Review On	9/17/2024 11:23:42 AM		
Supervise By	Maresh Dadoda	Supervise On	9/17/2024 6:52:14 PM		
SubDirectory	VL091624	HP Acquire Method	AIR-TO15	HP Processing Method	VL091624AIR.M
STD. NAME		STD REF.#			
Tune/Reschk	AP2542				
Initial Calibration Stds	AP2546,AP2547,AP2548				
CCC	AP2546				
Internal Standard/PEM	AP2542				
ICV/I.BLK	AP2544				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL041590.D	16 Sep 2024 11:50	SY/MD	Ok
2	VSTDIC0.5	VL041591.D	16 Sep 2024 12:36	SY/MD	Ok,M
3	VSTDICCC010	VL041592.D	16 Sep 2024 13:15	SY/MD	Ok,M
4	VSTDIC002	VL041593.D	16 Sep 2024 13:56	SY/MD	Ok,M
5	VSTDIC001	VL041594.D	16 Sep 2024 14:36	SY/MD	Ok,M
6	VSTDIC0.5	VL041595.D	16 Sep 2024 15:16	SY/MD	Not Ok
7	VSTDIC0.1	VL041596.D	16 Sep 2024 15:56	SY/MD	Ok,M
8	VSTDIC0.03	VL041597.D	16 Sep 2024 16:38	SY/MD	Ok,M
9	VSTDIC015	VL041598.D	16 Sep 2024 17:20	SY/MD	Ok
10	VSTDICV010	VL041599.D	16 Sep 2024 18:46	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QC Batch ID # VL091824

Review By	Semsettin Yesilyurt	Review On	9/19/2024 10:46:15 AM		
Supervise By	Maresh Dadoda	Supervise On	9/19/2024 2:44:52 PM		
SubDirectory	VL091824	HP Acquire Method	AIR-TO15	HP Processing Method	VL091624AIR.M
STD. NAME		STD REF.#			
Tune/Reschk		AP2542			
Initial Calibration Stds		AP2546,AP2547,AP2548			
CCC		AP2546			
Internal Standard/PEM		AP2542			
ICV/I.BLK		AP2544			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL041600.D	18 Sep 2024 8:06	SY/MD	Ok
2	VSTDCCC010	VL041601.D	18 Sep 2024 8:46	SY/MD	Ok,M
3	VL0918ABL01	VL041602.D	18 Sep 2024 9:36	SY/MD	Ok
4	VL0918ABS01	VL041603.D	18 Sep 2024 10:16	SY/MD	Ok,M
5	VIBLK	VL041604.D	18 Sep 2024 13:01	SY/MD	Ok
6	P4028-02	VL041605.D	18 Sep 2024 13:42	SY/MD	Ok,M
7	P4028-02DUP	VL041606.D	18 Sep 2024 14:23	SY/MD	Ok,M
8	P4028-04	VL041607.D	18 Sep 2024 15:03	SY/MD	Ok,M
9	P4028-01	VL041608.D	18 Sep 2024 15:43	SY/MD	Ok,M
10	P4028-01DL	VL041609.D	18 Sep 2024 16:24	SY/MD	Not Ok
11	P4028-03	VL041610.D	18 Sep 2024 17:06	SY/MD	Ok,M
12	P4028-03DL	VL041611.D	18 Sep 2024 17:49	SY/MD	Not Ok
13	QC090324 CAN10197	VL041612.D	18 Sep 2024 18:31	SY/MD	Ok
14	QC090324 CAN10197	VL041613.D	18 Sep 2024 19:14	SY/MD	Not Ok
15	QC090424 CAN10401	VL041614.D	18 Sep 2024 19:56	SY/MD	Ok,M
16	QC090524 CAN10153	VL041615.D	18 Sep 2024 20:38	SY/MD	Ok,M
17	VIBLK	VL041616.D	18 Sep 2024 21:20	SY/MD	Ok,M
18	P4028-03DUP	VL041617.D	18 Sep 2024 22:03	SY/MD	Ok,M
19	VSTDCCC010	VL041618.D	18 Sep 2024 22:44	SY/MD	Ok,M

M : Manual Integration