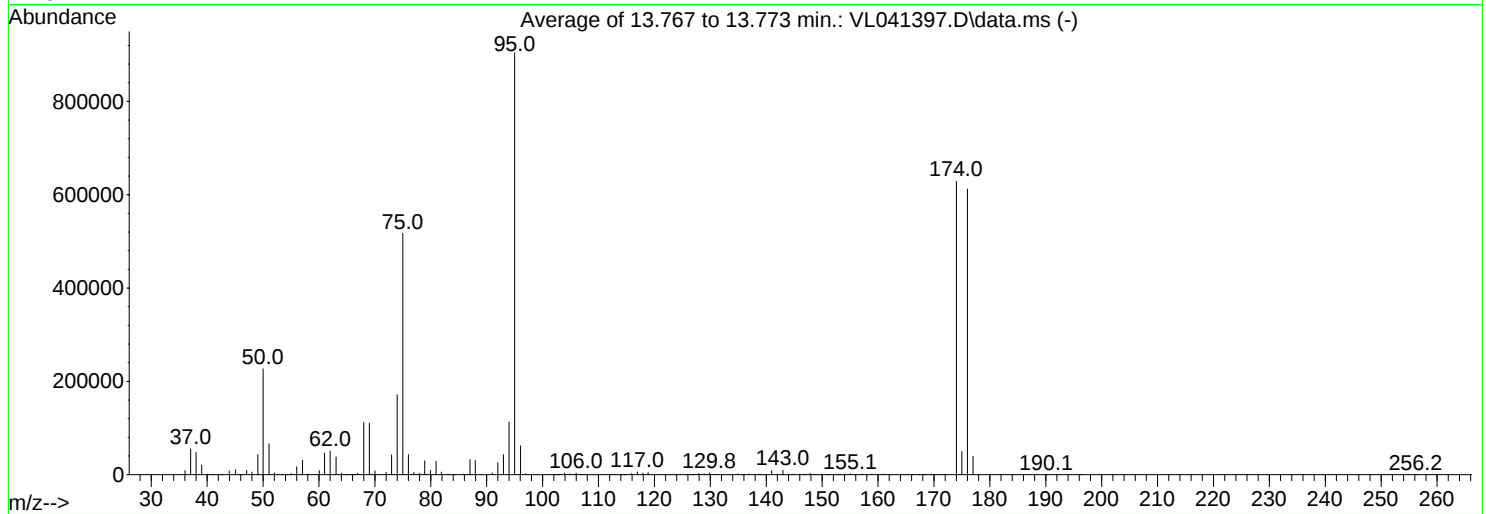
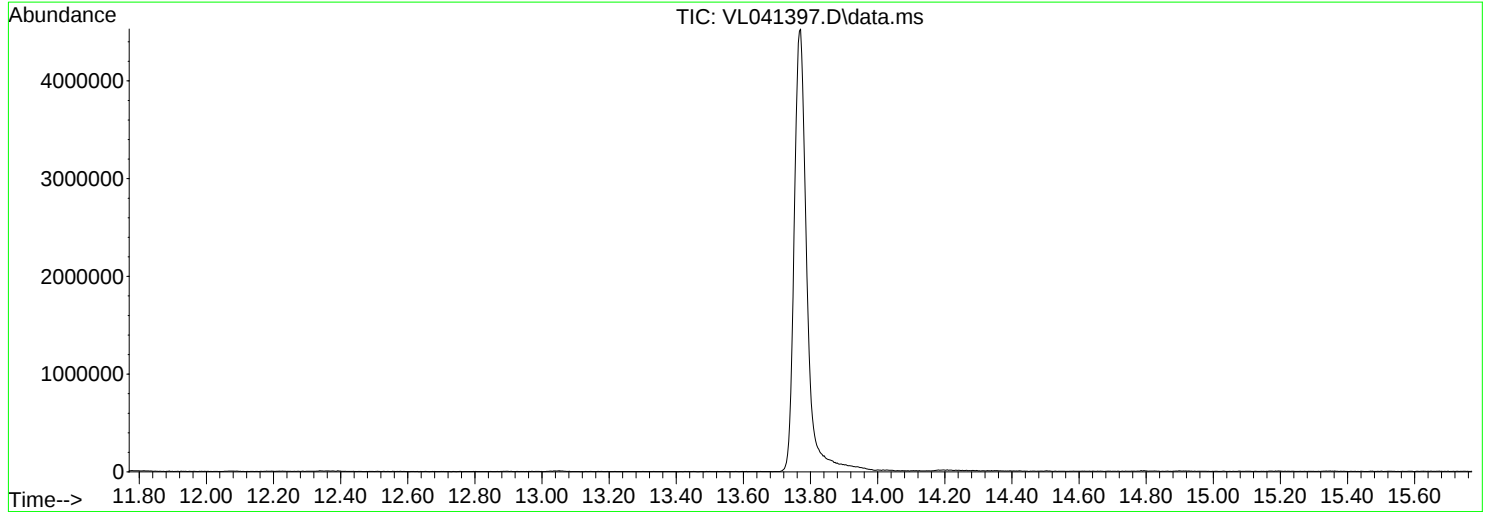


Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
Data File : VL041397.D
Acq On : 25 Jul 2024 12:29
Operator : SY/MD
Sample : BFB
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
Last Update : Fri Jul 26 07:31:14 2024



AutoFind: Scans 3472, 3473, 3474; 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	25.1	226560	PASS
75	95	30	66	57.2	517099	PASS
95	95	100	100	100.0	904149	PASS
96	95	5	9	6.8	61827	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	69.5	628715	PASS
175	174	4	9	7.9	49563	PASS
176	174	93	101	97.4	612373	PASS
177	176	5	9	6.5	39536	PASS

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

Method File : VL072524AIR.M

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

Last Update : Fri Jul 26 07:31:14 2024

Response Via : Initial Calibration

Calibration Files

0.03=VL041404.D 0.1 =VL041403.D 0.5 =VL041398.D 1 =VL041401.D 2 =VL041400.D 10 =VL041399.D 15 =VL041405.D

Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I Bromochloromethane	-----ISTD-----								
2) T Dichlorodifluo...			1.883	2.019	2.126	1.425	1.148	1.720	24.23
3) Chlorodifluoro...			1.302	1.262	1.264	1.070	1.054	1.190	9.97
4) Chloromethane			0.682	0.685	0.687	0.564	0.548	0.633	11.12
5) T Vinyl Chloride	0.719	0.563	0.628	0.663	0.653	0.570	0.571	0.624	9.45
6) T Bromomethane			0.331	0.344	0.333	0.295	0.301	0.321	6.69
7) Chloroethane			0.240	0.210	0.226	0.202	0.198	0.215	8.14
8) T Dichlorotetra...			1.593	1.646	1.681	1.381	1.321	1.524	10.69
9) T Propene			0.576	0.586	0.588	0.489	0.495	0.547	9.16
10) T Heptane			1.139	1.240	1.371	1.200	1.194	1.229	7.09
11) T Trichlorofluor...			1.621	1.638	1.636	1.383	1.362	1.528	9.32
12) T 1,1,2-Trichlor...			1.154	1.154	1.201	0.999	0.992	1.100	8.85
13) Ethanol			0.044	0.066	0.065	0.035	0.035	0.049#	31.91
14) T Bromoethene			0.417	0.430	0.468	0.412	0.417	0.429	5.27
15) T Acetone			1.292	1.192	1.231	0.996	0.969	1.136	12.76
16) T 1,3-Butadiene			0.605	0.652	0.664	0.556	0.558	0.607	8.38
17) tert-Butyl alc...			1.032	1.100	0.986	1.053	1.011	1.036	4.17
18) T 1,1-Dichloroet...			0.460	0.479	0.515	0.455	0.444	0.471	5.93
19) T Isopropyl Alcohol			0.711	0.674	0.661	0.646	0.630	0.664	4.64
20) T Methylene Chlo...			0.502	0.430	0.444	0.371	0.372	0.424	12.91
21) T Allyl Chloride			0.714	0.783	0.796	0.726	0.707	0.745	5.53
22) T trans-1,2-Dich...			0.462	0.481	0.516	0.448	0.446	0.471	6.16
23) T Vinyl Acetate			0.777	0.874	0.939	0.884	0.865	0.868	6.71
24) T 1,1-Dichloroet...			1.083	1.045	1.116	0.941	0.923	1.022	8.40
25) T Ethyl Acetate			2.177	2.381	2.517	2.116	2.094	2.257	8.16
26) T Hexane			0.897	0.951	1.056	0.889	0.889	0.936	7.64
27) T Carbon Disulfide			1.055	1.020	1.160	1.120	1.122	1.095	5.18
28) T Methyl tert-Bu...			0.565	0.637	0.652	0.555	0.543	0.591	8.53
29) T Chloroform			1.554	1.612	1.659	1.414	1.398	1.527	7.65
30) T Cyclohexane			0.602	0.795	0.875	0.764	0.777	0.763	13.04
31) T cis-1,2-Dichlo...			0.879	0.937	1.022	0.890	0.896	0.925	6.35
32) T 1,1,1-Trichlor...	1.713	1.310	1.498	1.517	1.581	1.398	1.388	1.487	9.11

33) I 1,4-Difluorobenzene	-----ISTD-----								
34) T 2-Butanone			0.465	0.491	0.528	0.467	0.467	0.484	5.58
35) T Carbon Tetrach...	0.584	0.500	0.542	0.558	0.589	0.548	0.540	0.552	5.42
36) T Benzene			0.691	0.778	0.792	0.705	0.689	0.731	6.82
37) T 1,2-Dichloroet...			0.413	0.416	0.428	0.393	0.396	0.409	3.55
38) T Trichloroethene	0.394	0.288	0.326	0.349	0.349	0.320	0.317	0.335	9.99
39) T 1,2-Dichloropr...			0.267	0.294	0.303	0.266	0.269	0.280	6.21

Method Path : Z:\voasrv\HPCHEM1\MSVOA_L\methods\ Method File : VL072524AIR.M										
40) T	1,4-Dioxane			0.130	0.110	0.106	0.115	0.101	0.112	9.70
41) T	Tetrahydrofuran			0.226	0.291	0.308	0.278	0.280	0.277	11.09
42) T	Bromodichlorom...			0.573	0.613	0.622	0.576	0.568	0.591	4.26
43) T	Methyl Methacr...			0.205	0.252	0.287	0.283	0.284	0.262	13.30
44) T	2,2,4-Trimethy...			1.168	1.294	1.342	1.165	1.132	1.220	7.54
45) T	t-1,3-Dichloro...			0.166	0.202	0.248	0.287	0.302	0.241	23.76
46) T	cis-1,3-Dichlo...			0.270	0.325	0.372	0.382	0.392	0.348	14.53
47) T	1,1,2-Trichlor...			0.310	0.313	0.334	0.294	0.291	0.308	5.62
48) T	Dibromochlorom...			0.447	0.503	0.526	0.505	0.503	0.497	5.97
49) T	Bromoform			0.354	0.401	0.455	0.446	0.443	0.420	10.10
50) T	4-Methyl-2-Pen...			0.644	0.773	0.860	0.776	0.763	0.763	10.08
51) T	2-Hexanone			0.398	0.569	0.640	0.639	0.640	0.577	18.10
52) T	Tetrachloroethene	0.308	0.260	0.275	0.289	0.304	0.271	0.270	0.282	6.49
53) T	Toluene			0.678	0.851	0.889	0.829	0.822	0.814	9.86
54) T	1,2-Dibromoethane	0.340		0.377	0.424	0.463	0.429	0.429	0.410	10.74
-----ISTD-----										
55) I	Chlorobenzene-d5									
56) T	1,1,1,2-Tetrac...			0.401	0.401	0.412	0.372	0.353	0.388	6.36
57) T	Chlorobenzene			0.747	0.762	0.758	0.667	0.626	0.712	8.71
58) T	Ethyl Benzene			1.028	1.229	1.262	1.151	1.092	1.153	8.35
59) T	m/p-Xylene			0.934	1.065	1.083	0.979	0.914	0.995	7.68
60) T	o-Xylene			0.842	1.015	1.038	0.931	0.880	0.941	8.96
61) T	Styrene			0.313	0.424	0.468	0.464	0.455	0.425	15.32
62) T	Isopropylbenzene			1.404	1.552	1.560	1.368	1.270	1.431	8.68
63) T	1,1,2,2-Tetrac...	0.575	0.568	0.626	0.641	0.650	0.569	0.533	0.594	7.45
64) T	n-propylbenzene			0.353	0.393	0.408	0.370	0.347	0.374	6.89
65) T	tert-Butylbenzene			1.229	1.412	1.448	1.235	1.138	1.292	10.21
66) T	Benzyl Chloride			0.069	0.076	0.080	0.092	0.097	0.083	13.50
67) T	sec-Butylbenzene			1.641	1.940	2.017	1.719	1.586	1.781	10.59
68) S	1-Bromo-4-Fluo...	0.772	0.783	0.774	0.764	0.764	0.782	0.747	0.770	1.63
69) T	p-Isopropyltol...			1.299	1.617	1.674	1.453	1.346	1.478	11.11
70) T	n-Butylbenzene			1.347	1.622	1.731	1.488	1.386	1.515	10.64
71) T	2-Chlorotoluene			0.990	1.133	1.154	1.033	0.966	1.055	8.00
72) T	4-Ethyltoluene			0.976	1.143	1.229	1.138	1.054	1.108	8.70
73) T	1,3,5-Trimethy...			0.831	0.987	1.072	0.974	0.909	0.955	9.46
74) T	1,2,4-Trimethy...			1.034	1.199	1.238	1.074	1.003	1.110	9.32
75) T	1,3-Dichlorobe...			0.663	0.751	0.768	0.672	0.634	0.698	8.33
76) T	1,4-Dichlorobe...			0.673	0.710	0.716	0.656	0.623	0.676	5.74
77) T	1,2-Dichlorobe...			0.692	0.731	0.767	0.654	0.614	0.692	8.73
78) T	Hexachloro-1,3...			0.621	0.680	0.665	0.499	0.484	0.590	15.69
79) T	Naphthalene	0.490		0.808	1.106	1.252	1.125	1.096	0.980	28.67
80) T	Naphthalene,2-...			0.499	0.667	0.911	0.992	1.036	0.821	27.97
81) T	1,2,4-Trichlor...			0.504	0.606	0.646	0.587	0.573	0.583	8.95

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041398.D
 Acq On : 25 Jul 2024 13:19
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 05:07:21 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

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

QLast Update : Fri Jul 26 05:07:02 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1163290	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3245422	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	3043708	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 2357044 10.071 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.709	85	109541	0.539	ppbv	98
3) Chlorodifluoromethane	2.655	51	75741	0.549	ppbv	100
4) Chloromethane	2.793	50	39649	0.546	ppbv	96
5) Vinyl Chloride	2.906	62	36538	0.508	ppbv #	87
6) Bromomethane	3.102	94	19255	0.523	ppbv	93
7) Chloroethane	3.179	64	13984	0.572	ppbv	92
8) Dichlorotetrafluoroethane	2.838	85	92652	0.521	ppbv	93
9) Propene	2.671	41	33491	0.523	ppbv	98
10) Heptane	7.568	43	66249	0.465	ppbv	97
11) Trichlorofluoromethane	3.545	101	94267	0.536	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.050	101	67103	0.527	ppbv	99
13) Ethanol	3.237	45	2541m	0.454	ppbv	
14) Bromoethene	3.346	108	24275	0.495	ppbv #	90
15) Acetone	3.462	43	75165	0.574	ppbv	100
16) 1,3-Butadiene	2.963	39	35196m	0.505	ppbv	
17) tert-Butyl alcohol	3.870	59	59997	0.504	ppbv	99
18) 1,1-Dichloroethene	3.864	96	26744	0.484	ppbv	90
19) Isopropyl Alcohol	3.568	45	41335m	0.559	ppbv	
20) Methylene Chloride	3.915	84	29173	0.603	ppbv #	93
21) Allyl Chloride	3.979	41	41531	0.483	ppbv	94
22) trans-1,2-Dichloroethene	4.433	96	26864	0.500	ppbv	93
23) Vinyl Acetate	4.616	43	45209	0.444	ppbv #	97
24) 1,1-Dichloroethane	4.545	63	62999	0.542	ppbv #	97
25) Ethyl Acetate	5.195	43	126641	0.485	ppbv	99
26) Hexane	5.192	57	52190	0.475	ppbv	91
27) Carbon Disulfide	4.111	76	61342	0.489	ppbv #	93
28) Methyl tert-Butyl Ether	4.581	73	32882	0.475	ppbv	95
29) Chloroform	5.256	83	90359	0.503	ppbv	99
30) Cyclohexane	6.594	84	35035	0.389	ppbv #	88
31) cis-1,2-Dichloroethene	5.063	61	51136	0.472	ppbv #	87
32) 1,1,1-Trichloroethane	5.989	97	87155	0.508	ppbv	97
34) 2-Butanone	4.787	43	75522m	0.481	ppbv	
35) Carbon Tetrachloride	6.478	117	88027	0.495	ppbv	86
36) Benzene	6.356	78	112067	0.470	ppbv	95
37) 1,2-Dichloroethane	5.793	62	66949	0.507	ppbv	98
38) Trichloroethene	7.282	130	52825	0.488	ppbv	98
39) 1,2-Dichloropropane	7.060	63	43368	0.473	ppbv	95
40) 1,4-Dioxane	7.304	88	21057m	0.633	ppbv	
41) Tetrahydrofuran	5.568	42	36699	0.403	ppbv	98
42) Bromodichloromethane	7.237	83	92906	0.486	ppbv	98
43) Methyl Methacrylate	7.465	69	33258	0.386	ppbv	91
44) 2,2,4-Trimethylpentane	7.314	57	189569	0.479	ppbv	94
45) t-1,3-Dichloropropene	8.700	75	26864m	0.341	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041398.D
 Acq On : 25 Jul 2024 13:19
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 05:07:21 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

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

QLast Update : Fri Jul 26 05:07:02 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	43823m	0.384	ppbv	
47) 1,1,2-Trichloroethane	8.886	97	50232	0.505	ppbv	95
48) Dibromochloromethane	9.700	129	72480	0.452	ppbv	100
49) Bromoform	12.400	173	57383	0.423	ppbv	95
50) 4-Methyl-2-Pentanone	8.185	43	104559m	0.417	ppbv	
51) 2-Hexanone	9.558	43	64659	0.338	ppbv #	97
52) Tetrachloroethene	10.600	164	44583	0.486	ppbv	92
53) Toluene	9.211	91	110057	0.411	ppbv	98
54) 1,2-Dibromoethane	10.002	107	61242	0.455	ppbv	89
56) 1,1,1,2-Tetrachloroethane	11.497	131	61039	0.519	ppbv #	1
57) Chlorobenzene	11.516	112	113739	0.524	ppbv	94
58) Ethyl Benzene	12.079	91	156513	0.441	ppbv	96
59) m/p-Xylene	12.365	91	284326m	0.936	ppbv	
60) o-Xylene	13.050	91	128195	0.440	ppbv	99
61) Styrene	12.889	104	47561	0.362	ppbv	94
62) Isopropylbenzene	14.018	105	213603m	0.492	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.040	83	95214	0.526	ppbv	97
64) n-propylbenzene	14.915	120	53748m	0.473	ppbv	
65) tert-Butylbenzene	16.082	119	187031m	0.476	ppbv	
66) Benzyl Chloride	16.323	91	10564m	0.422	ppbv	
67) sec-Butylbenzene	16.632	105	249741	0.458	ppbv	99
69) p-Isopropyltoluene	16.992	119	197625	0.434	ppbv	96
70) n-Butylbenzene	17.886	91	204999	0.443	ppbv	98
71) 2-Chlorotoluene	14.796	91	150717	0.465	ppbv	100
72) 4-Ethyltoluene	15.188	105	148551	0.441	ppbv	97
73) 1,3,5-Trimethylbenzene	15.346	105	126480	0.429	ppbv	92
74) 1,2,4-Trimethylbenzene	16.098	105	157396m	0.463	ppbv	
75) 1,3-Dichlorobenzene	16.326	146	100938	0.476	ppbv	94
76) 1,4-Dichlorobenzene	16.468	146	102368m	0.492	ppbv	
77) 1,2-Dichlorobenzene	17.143	146	105386m	0.503	ppbv	
78) Hexachloro-1,3-Butadiene	22.631	225	94555m	0.520	ppbv	
79) Naphthalene	21.387	128	123028m	0.412	ppbv	
80) Naphthalene,2-methyl-	24.374	142	75989	0.313	ppbv	93
81) 1,2,4-Trichlorobenzene	21.143	180	76641m	0.428	ppbv	

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041399.D
 Acq On : 25 Jul 2024 13:59
 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 07/26/2024
 Supervised By : Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 05:05:14 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

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

QLast Update : Fri Jul 26 04:51:44 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1227171	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	3353351	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	3260833m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 2550034 10.170 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.706	85	1748662	8.150	ppbv	100
3) Chlorodifluoromethane	2.652	51	1312868	9.025	ppbv	100
4) Chloromethane	2.790	50	692256	9.024	ppbv	99
5) Vinyl Chloride	2.899	62	699389	9.214	ppbv	100
6) Bromomethane	3.099	94	361665	9.227	ppbv	100
7) Chloroethane	3.176	64	248340	9.630	ppbv	100
8) Dichlorotetrafluoroethane	2.835	85	1694634	9.039	ppbv	100
9) Propene	2.671	41	600396	8.889	ppbv	100
10) Heptane	7.568	43	1472225	9.801	ppbv	99
11) Trichlorofluoromethane	3.542	101	1696907	9.145	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.047	101	1226328	9.136	ppbv	100
13) Ethanol	3.224	45	43077m	7.073	ppbv	
14) Bromoethene	3.346	108	505960	9.786	ppbv	100
15) Acetone	3.446	43	1222864	8.859	ppbv	100
16) 1,3-Butadiene	2.964	39	681843	9.269	ppbv	100
17) tert-Butyl alcohol	3.861	59	1291681	10.276	ppbv	100
18) 1,1-Dichloroethene	3.861	96	558470	9.575	ppbv	100
19) Isopropyl Alcohol	3.555	45	792740	10.155	ppbv	100
20) Methylene Chloride	3.915	84	455611	8.929	ppbv	100
21) Allyl Chloride	3.980	41	890718	9.827	ppbv	100
22) trans-1,2-Dichloroethene	4.430	96	549902	9.711	ppbv	100
23) Vinyl Acetate	4.610	43	1085315	10.104	ppbv	100
24) 1,1-Dichloroethane	4.549	63	1154644	9.415	ppbv	100
25) Ethyl Acetate	5.189	43	2597295	9.430	ppbv	100
26) Hexane	5.198	57	1090849	9.420	ppbv	100
27) Carbon Disulfide	4.105	76	1375021	10.384	ppbv	99
28) Methyl tert-Butyl Ether	4.568	73	681033	9.329	ppbv	100
29) Chloroform	5.259	83	1735318	9.163	ppbv	100
30) Cyclohexane	6.590	84	937363	9.878	ppbv	100
31) cis-1,2-Dichloroethene	5.063	61	1091838	9.548	ppbv	100
32) 1,1,1-Trichloroethane	5.989	97	1715896	9.483	ppbv	100
34) 2-Butanone	4.771	43	1567685	9.654	ppbv	100
35) Carbon Tetrachloride	6.484	117	1836059	9.983	ppbv	100
36) Benzene	6.359	78	2363293	9.591	ppbv	100
37) 1,2-Dichloroethane	5.796	62	1317693	9.664	ppbv	99
38) Trichloroethene	7.282	130	1074518	9.605	ppbv	100
39) 1,2-Dichloropropane	7.063	63	891517	9.403	ppbv	100
40) 1,4-Dioxane	7.275	88	384473	11.177	ppbv	100
41) Tetrahydrofuran	5.542	42	931064	9.892	ppbv	100
42) Bromodichloromethane	7.240	83	1932798	9.793	ppbv	100
43) Methyl Methacrylate	7.465	69	948521	10.646	ppbv	100
44) 2,2,4-Trimethylpentane	7.317	57	3907968	9.554	ppbv	100
45) t-1,3-Dichloropropene	8.703	75	963383	11.835	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041399.D
 Acq On : 25 Jul 2024 13:59
 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 07/26/2024
 Supervised By : Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 05:05:14 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

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

QLast Update : Fri Jul 26 04:51:44 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	1281640	10.855	ppbv	100
47) 1,1,2-Trichloroethane	8.893	97	987016	9.602	ppbv	100
48) Dibromochloromethane	9.706	129	1692234	10.224	ppbv	100
49) Bromoform	12.404	173	1496236	10.670	ppbv	99
50) 4-Methyl-2-Pentanone	8.172	43	2603717	10.051	ppbv	100
51) 2-Hexanone	9.542	43	2141345	10.819	ppbv	100
52) Tetrachloroethene	10.613	164	907950	9.585	ppbv	100
53) Toluene	9.214	91	2779504	10.036	ppbv	100
54) 1,2-Dibromoethane	10.002	107	1438535	10.342	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.503	131	1213659	9.640	ppbv #	58
57) Chlorobenzene	11.523	112	2174265	9.343	ppbv	100
58) Ethyl Benzene	12.085	91	3752771	9.870	ppbv	100
59) m/p-Xylene	12.368	91	6382118m	19.609	ppbv	
60) o-Xylene	13.053	91	3036791	9.732	ppbv	100
61) Styrene	12.896	104	1513410	10.748	ppbv	100
62) Isopropylbenzene	14.024	105	4462038	9.595	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.040	83	1853886	9.567	ppbv	100
64) n-propylbenzene	14.912	120	1205437	9.895	ppbv	100
65) tert-Butylbenzene	16.085	119	4027165	9.564	ppbv	100
66) Benzyl Chloride	16.323	91	299511	11.162	ppbv	100
67) sec-Butylbenzene	16.635	105	5605419	9.602	ppbv	100
69) p-Isopropyltoluene	16.989	119	4737222	9.713	ppbv	100
70) n-Butylbenzene	17.883	91	4851380	9.796	ppbv	100
71) 2-Chlorotoluene	14.799	91	3368997	9.707	ppbv	100
72) 4-Ethyltoluene	15.188	105	3711228	10.293	ppbv	99
73) 1,3,5-Trimethylbenzene	15.346	105	3175291	10.049	ppbv	100
74) 1,2,4-Trimethylbenzene	16.105	105	3502689	9.621	ppbv	100
75) 1,3-Dichlorobenzene	16.330	146	2192883	9.642	ppbv	100
76) 1,4-Dichlorobenzene	16.471	146	2140459	9.596	ppbv	100
77) 1,2-Dichlorobenzene	17.140	146	2131506	9.501	ppbv	100
78) Hexachloro-1,3-Butadiene	22.628	225	1626038	8.347	ppbv	100
79) Naphthalene	21.381	128	3669460	11.481	ppbv	100
80) Naphthalene,2-methyl-	24.371	142	3235986	12.454	ppbv	100
81) 1,2,4-Trichlorobenzene	21.133	180	1912951	9.962	ppbv	100

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041400.D
 Acq On : 25 Jul 2024 14:40
 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 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 25 15:37:54 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

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

QLast Update : Thu Jul 25 14:31:18 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1187869	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	3361544	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	3300753	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.773 95 2521024 10.190 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.710	85	505198	2.492	ppbv	99
3) Chlorodifluoromethane	2.652	51	300375	1.467	ppbv	99
4) Chloromethane	2.793	50	163139	2.084	ppbv	96
5) Vinyl Chloride	2.899	62	155185	1.835	ppbv	99
6) Bromomethane	3.102	94	79103	2.956	ppbv	98
7) Chloroethane	3.176	64	53717	1.922	ppbv	94
8) Dichlorotetrafluoroethane	2.835	85	399415	2.027	ppbv	100
9) Propene	2.671	41	139773	1.972	ppbv	99
10) Heptane	7.568	43	325614	1.956	ppbv	100
11) Trichlorofluoromethane	3.546	101	388765	1.970	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.050	101	285420	2.064	ppbv	100
13) Ethanol	3.237	45	15410m	0.980	ppbv	
14) Bromoethene	3.346	108	111081	2.003	ppbv	93
15) Acetone	3.456	43	292550	1.865	ppbv	99
16) 1,3-Butadiene	2.967	39	157764	2.113	ppbv	99
17) tert-Butyl alcohol	3.861	59	234318	1.936	ppbv	99
18) 1,1-Dichloroethene	3.861	96	122348	2.013	ppbv	97
19) Isopropyl Alcohol	3.562	45	156947m	1.822	ppbv	
20) Methylene Chloride	3.915	84	105428	1.852	ppbv	98
21) Allyl Chloride	3.980	41	189033	1.998	ppbv	90
22) trans-1,2-Dichloroethene	4.427	96	122560	2.030	ppbv	90
23) Vinyl Acetate	4.613	43	223002	1.442	ppbv	# 98
24) 1,1-Dichloroethane	4.546	63	265124	1.977	ppbv	98
25) Ethyl Acetate	5.192	43	597999	2.070	ppbv	99
26) Hexane	5.198	57	250786	1.961	ppbv	98
27) Carbon Disulfide	4.108	76	275637	1.771	ppbv	94
28) Methyl tert-Butyl Ether	4.578	73	154942	1.633	ppbv	97
29) Chloroform	5.259	83	394045	1.997	ppbv	99
30) Cyclohexane	6.587	84	207896	2.040	ppbv	93
31) cis-1,2-Dichloroethene	5.063	61	242910	1.981	ppbv	97
32) 1,1,1-Trichloroethane	5.992	97	375703	1.814	ppbv	97
34) 2-Butanone	4.774	43	355170	2.002	ppbv	98
35) Carbon Tetrachloride	6.481	117	395969	1.784	ppbv	98
36) Benzene	6.359	78	532213	1.913	ppbv	97
37) 1,2-Dichloroethane	5.793	62	287587	1.802	ppbv	98
38) Trichloroethene	7.282	130	234513	1.935	ppbv	93
39) 1,2-Dichloropropane	7.060	63	203420	1.892	ppbv	96
40) 1,4-Dioxane	7.288	88	71274	2.068	ppbv	# 1
41) Tetrahydrofuran	5.552	42	207220	1.886	ppbv	99
42) Bromodichloromethane	7.237	83	418292	1.873	ppbv	98
43) Methyl Methacrylate	7.468	69	192639	1.843	ppbv	94
44) 2,2,4-Trimethylpentane	7.317	57	902570	1.909	ppbv	99
45) t-1,3-Dichloropropene	8.700	75	166952	2.524	ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041400.D
 Acq On : 25 Jul 2024 14:40
 Operator : SY/MD
 Sample : VSTDIC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/26/2024
 Supervised By : Mahesh Dadoda 07/29/2024

Quant Time: Jul 25 15:37:54 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

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

QLast Update : Thu Jul 25 14:31:18 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	249911	2.810	ppbv	97
47) 1,1,2-Trichloroethane	8.889	97	224865	1.950	ppbv	94
48) Dibromochloromethane	9.703	129	353718	1.910	ppbv	100
49) Bromoform	12.401	173	305646	2.073	ppbv	99
50) 4-Methyl-2-Pentanone	8.176	43	577958	2.029	ppbv	99
51) 2-Hexanone	9.555	43	430093	2.124	ppbv #	96
52) Tetrachloroethene	10.606	164	204374	1.829	ppbv	98
53) Toluene	9.214	91	597804	1.905	ppbv	100
54) 1,2-Dibromoethane	10.005	107	311374	2.182	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.503	131	272178	1.832	ppbv #	1
57) Chlorobenzene	11.520	112	500573	1.933	ppbv	96
58) Ethyl Benzene	12.082	91	833428	1.887	ppbv	96
59) m/p-Xylene	12.365	91	1430508m	3.743	ppbv	
60) o-Xylene	13.053	91	685320	1.900	ppbv	99
61) Styrene	12.896	104	308833	1.763	ppbv	99
62) Isopropylbenzene	14.027	105	1029899	1.850	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.044	83	428827	1.509	ppbv	98
64) n-propylbenzene	14.912	120	269236	1.852	ppbv	91
65) tert-Butylbenzene	16.085	119	956093	1.928	ppbv	100
66) Benzyl Chloride	16.326	91	52950m	1.625	ppbv	
67) sec-Butylbenzene	16.635	105	1331315	1.898	ppbv	99
69) p-Isopropyltoluene	16.992	119	1105164	1.908	ppbv	100
70) n-Butylbenzene	17.886	91	1142994	1.931	ppbv	99
71) 2-Chlorotoluene	14.799	91	762002	1.842	ppbv	99
72) 4-Ethyltoluene	15.188	105	811504	1.889	ppbv	99
73) 1,3,5-Trimethylbenzene	15.349	105	707827	1.925	ppbv	95
74) 1,2,4-Trimethylbenzene	16.105	105	817315	1.972	ppbv	95
75) 1,3-Dichlorobenzene	16.326	146	506675	2.061	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	472957	1.931	ppbv	97
77) 1,2-Dichlorobenzene	17.140	146	506084	2.019	ppbv	99
78) Hexachloro-1,3-Butadiene	22.628	225	438766	2.407	ppbv	98
79) Naphthalene	21.384	128	826782	3.710	ppbv	98
80) Naphthalene,2-methyl-	24.371	142	601537	1025.625	ppbv	99
81) 1,2,4-Trichlorobenzene	21.140	180	426225	3.095	ppbv	94

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

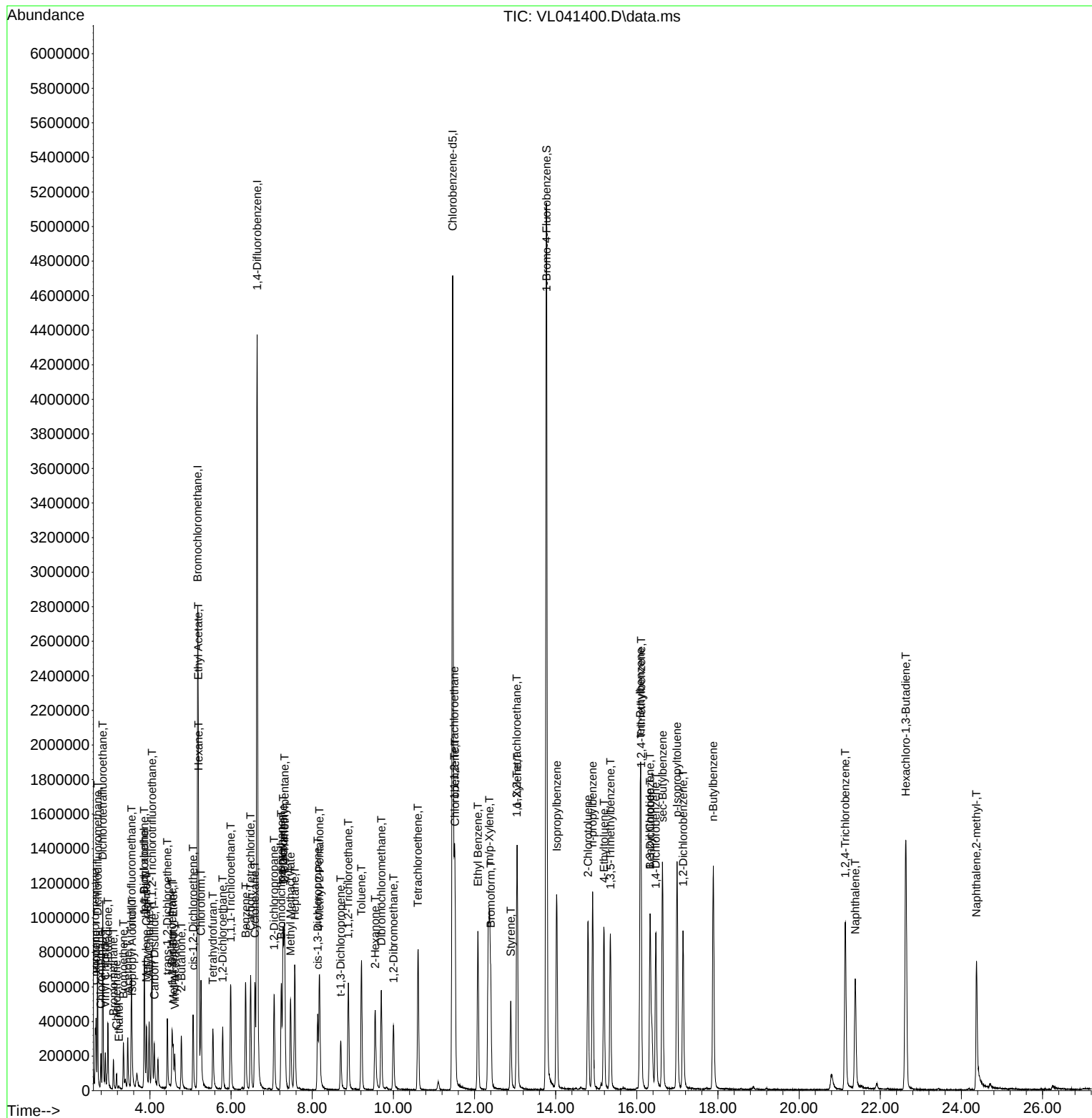
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
Data File : VL041400.D
Acq On : 25 Jul 2024 14:40
Operator : SY/MD
Sample : VSTDIC002
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Quant Time: Jul 25 15:37:54 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Jul 25 14:31:18 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 07/26/2024
Supervised By : Mahesh Dadoda 07/29/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041401.D
 Acq On : 25 Jul 2024 15:19
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 02:43:04 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

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

QLast Update : Thu Jul 25 14:31:18 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1198624	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3342988	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.459	117	3161618	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.774 95 2414921 10.191 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.706	85	241964	1.183	ppbv	95
3) Chlorodifluoromethane	2.652	51	151299	0.732	ppbv	98
4) Chloromethane	2.793	50	82099	1.039	ppbv	96
5) Vinyl Chloride	2.899	62	79527	0.932	ppbv	98
6) Bromomethane	3.099	94	41204	1.526	ppbv	92
7) Chloroethane	3.179	64	25119	0.891	ppbv	92
8) Dichlorotetrafluoroethane	2.835	85	197281	0.992	ppbv	99
9) Propene	2.674	41	70203	0.982	ppbv	97
10) Heptane	7.568	43	148675	0.885	ppbv	96
11) Trichlorofluoromethane	3.542	101	196294	0.986	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.050	101	138368	0.992	ppbv	99
13) Ethanol	3.240	45	7925m	0.500	ppbv	
14) Bromoethene	3.350	108	51557	0.921	ppbv #	85
15) Acetone	3.456	43	142863	0.902	ppbv	97
16) 1,3-Butadiene	2.967	39	78187	1.038	ppbv	96
17) tert-Butyl alcohol	3.867	59	131833	1.080	ppbv	100
18) 1,1-Dichloroethene	3.861	96	57445	0.937	ppbv	99
19) Isopropyl Alcohol	3.568	45	80830	0.930	ppbv #	98
20) Methylene Chloride	3.912	84	51566	0.898	ppbv	96
21) Allyl Chloride	3.980	41	93864	0.983	ppbv	95
22) trans-1,2-Dichloroethene	4.433	96	57666	0.947	ppbv	91
23) Vinyl Acetate	4.613	43	104758	0.671	ppbv #	94
24) 1,1-Dichloroethane	4.546	63	125314	0.926	ppbv	100
25) Ethyl Acetate	5.195	43	285442	0.979	ppbv	98
26) Hexane	5.198	57	113990	0.883	ppbv	88
27) Carbon Disulfide	4.112	76	122266	0.779	ppbv	97
28) Methyl tert-Butyl Ether	4.575	73	76370	0.798	ppbv	99
29) Chloroform	5.259	83	193219	0.970	ppbv	91
30) Cyclohexane	6.594	84	95243m	0.926	ppbv	
31) cis-1,2-Dichloroethene	5.066	61	112360	0.908	ppbv	96
32) 1,1,1-Trichloroethane	5.986	97	181889	0.870	ppbv	99
34) 2-Butanone	4.777	43	163975	0.930	ppbv	97
35) Carbon Tetrachloride	6.481	117	186609	0.845	ppbv	99
36) Benzene	6.356	78	259942	0.940	ppbv	95
37) 1,2-Dichloroethane	5.793	62	138981	0.875	ppbv	100
38) Trichloroethene	7.279	130	116586m	0.967	ppbv	
39) 1,2-Dichloropropane	7.063	63	98425m	0.921	ppbv	
40) 1,4-Dioxane	7.298	88	36813m	1.074	ppbv	
41) Tetrahydrofuran	5.558	42	97249	0.890	ppbv	98
42) Bromodichloromethane	7.240	83	204988	0.923	ppbv	99
43) Methyl Methacrylate	7.472	69	84268	0.811	ppbv	88
44) 2,2,4-Trimethylpentane	7.317	57	432528	0.920	ppbv	99
45) t-1,3-Dichloropropene	8.706	75	67675	1.029	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041401.D
 Acq On : 25 Jul 2024 15:19
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 02:43:04 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

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

QLast Update : Thu Jul 25 14:31:18 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	108779	1.230	ppbv	99
47) 1,1,2-Trichloroethane	8.889	97	104479	0.911	ppbv	97
48) Dibromochloromethane	9.703	129	168168	0.913	ppbv	97
49) Bromoform	12.404	173	133988	0.914	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	258275	0.912	ppbv	96
51) 2-Hexanone	9.558	43	190138	0.944	ppbv #	100
52) Tetrachloroethene	10.613	164	96753m	0.871	ppbv	
53) Toluene	9.211	91	284562	0.912	ppbv	98
54) 1,2-Dibromoethane	10.005	107	141838	0.999	ppbv	91
56) 1,1,1,2-Tetrachloroethane	11.504	131	126753	0.891	ppbv #	1
57) Chlorobenzene	11.520	112	240871	0.971	ppbv	95
58) Ethyl Benzene	12.086	91	388676	0.919	ppbv	98
59) m/p-Xylene	12.368	91	673526m	1.840	ppbv	
60) o-Xylene	13.053	91	320813	0.929	ppbv	99
61) Styrene	12.896	104	133924	0.798	ppbv	99
62) Isopropylbenzene	14.024	105	490658	0.920	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.047	83	202749	0.745	ppbv	98
64) n-propylbenzene	14.915	120	124102	0.891	ppbv	83
65) tert-Butylbenzene	16.085	119	446299	0.940	ppbv	99
66) Benzyl Chloride	16.326	91	24142m	0.774	ppbv	
67) sec-Butylbenzene	16.632	105	613358	0.913	ppbv	99
69) p-Isopropyltoluene	16.992	119	511080	0.921	ppbv	100
70) n-Butylbenzene	17.886	91	512783	0.904	ppbv	98
71) 2-Chlorotoluene	14.796	91	358079	0.904	ppbv	100
72) 4-Ethyltoluene	15.188	105	361470	0.878	ppbv	97
73) 1,3,5-Trimethylbenzene	15.349	105	312184	0.886	ppbv	98
74) 1,2,4-Trimethylbenzene	16.101	105	379183	0.955	ppbv #	91
75) 1,3-Dichlorobenzene	16.330	146	237337	1.008	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	224373	0.956	ppbv	98
77) 1,2-Dichlorobenzene	17.140	146	231111	0.963	ppbv	98
78) Hexachloro-1,3-Butadiene	22.632	225	215079	1.232	ppbv	99
79) Naphthalene	21.387	128	349592m	1.638	ppbv	
80) Naphthalene,2-methyl-	24.374	142	210840	375.304	ppbv	98
81) 1,2,4-Trichlorobenzene	21.143	180	191623	1.452	ppbv	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041403.D
 Acq On : 25 Jul 2024 16:42
 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 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 02:44:42 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

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

QLast Update : Thu Jul 25 14:31:18 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1207844	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3343894	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	3087423	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2418801	10.453	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.500%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.899	62	6804	0.079	ppbv	94
32) 1,1,1-Trichloroethane	5.989	97	15825m	0.075	ppbv	
35) Carbon Tetrachloride	6.478	117	16719m	0.076	ppbv	
38) Trichloroethene	7.278	130	9639m	0.080	ppbv	
52) Tetrachloroethene	10.593	164	8679m	0.078	ppbv	
54) 1,2-Dibromoethane	9.995	107	11367m	0.080	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.040	83	17530m	0.066	ppbv	
79) Naphthalene	21.403	128	15122m	0.073	ppbv	

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

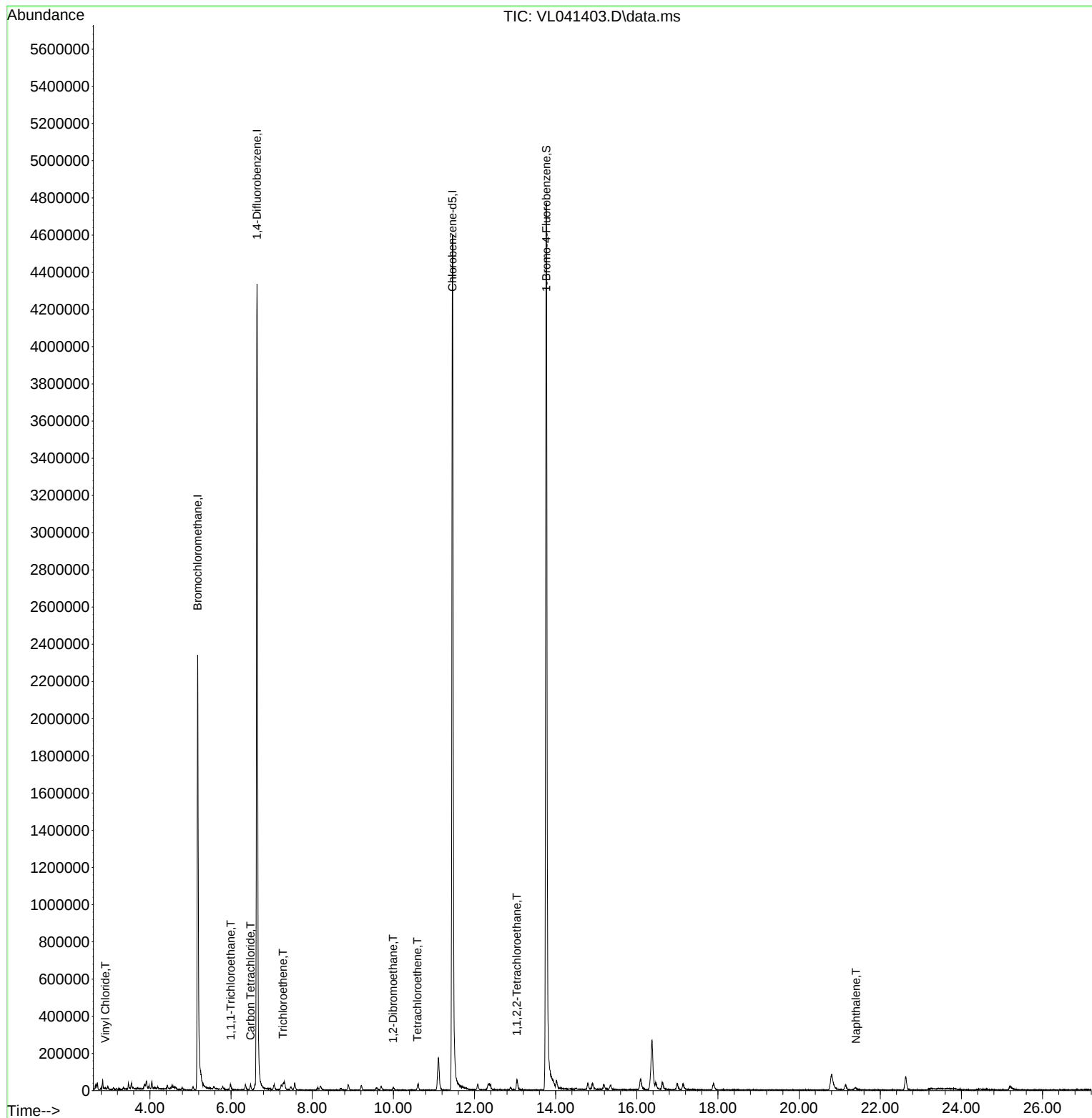
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Data File : VL041403.D
Acq On : 25 Jul 2024 16:42
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Quant Time: Jul 26 02:44:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Jul 25 14:31:18 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 07/26/2024
Supervised By : Mahesh Dadoda 07/29/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041404.D
 Acq On : 25 Jul 2024 17:24
 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 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 02:45:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Jul 25 14:31:18 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1173154	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	3272729	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	3056197	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2360153	10.303	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 103.000%	
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.899	62	2531m	0.030	ppbv	
32) 1,1,1-Trichloroethane	5.983	97	6029m	0.029	ppbv	
35) Carbon Tetrachloride	6.478	117	5730m	0.027	ppbv	
38) Trichloroethene	7.275	130	3872m	0.033	ppbv	
52) Tetrachloroethene	10.610	164	3020m	0.028	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.037	83	5269m	0.020	ppbv	

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

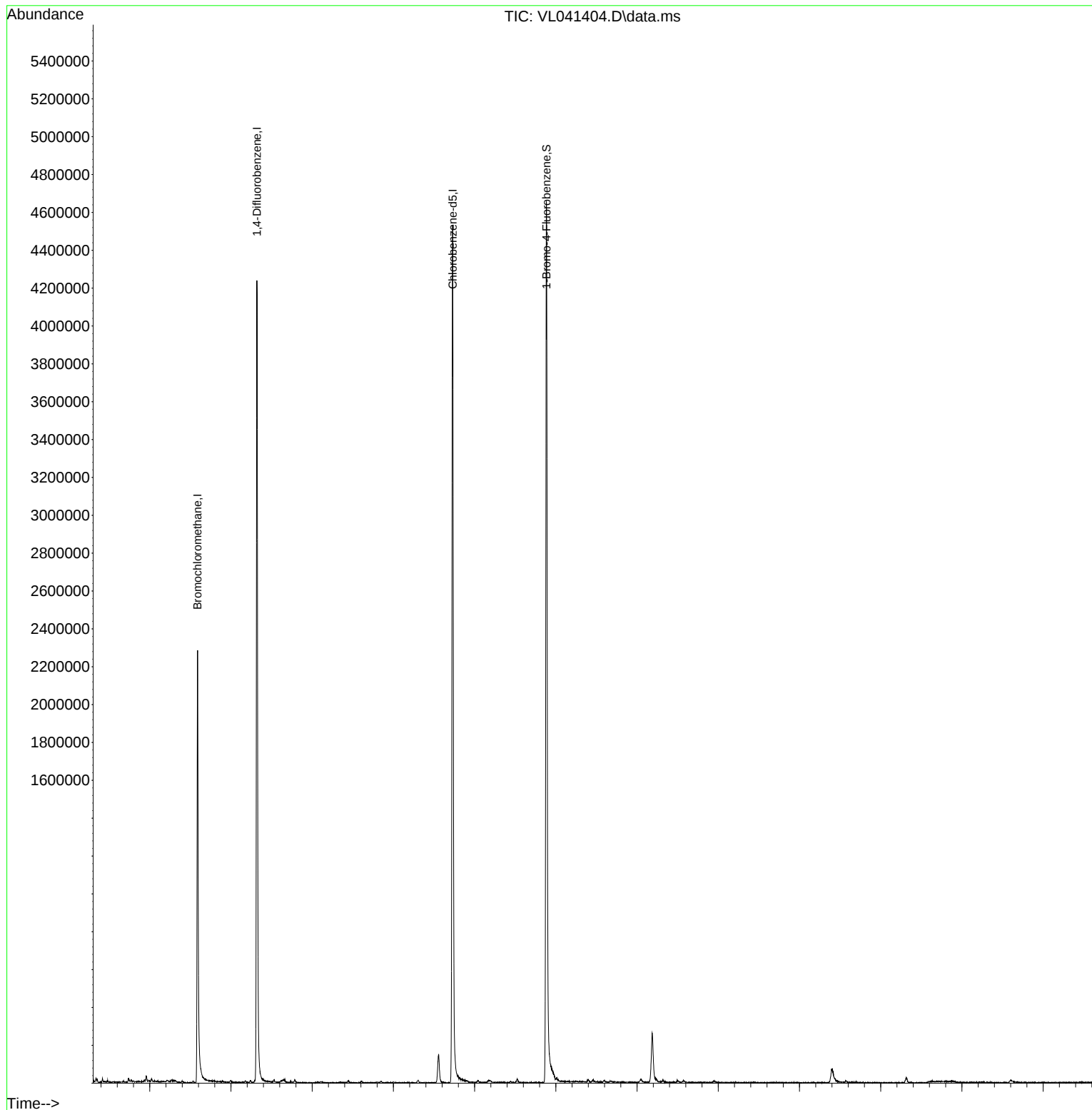
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
Data File : VL041404.D
Acq On : 25 Jul 2024 17:24
Operator : SY/MD
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Jul 26 02:45:18 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Jul 25 14:31:18 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 07/26/2024
Supervised By : Mahesh Dadoda 07/29/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041405.D
 Acq On : 25 Jul 2024 18:06
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 02:45:39 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

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

QLast Update : Thu Jul 25 14:31:18 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1211244	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	3327019	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	3365868	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 2515088 9.970 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.706	85	2086477	10.095	ppbv	99
3) Chlorodifluoromethane	2.652	51	1914240	9.165	ppbv	100
4) Chloromethane	2.790	50	996482	12.485	ppbv	99
5) Vinyl Chloride	2.899	62	1038128	12.036	ppbv	98
6) Bromomethane	3.099	94	547488	20.067	ppbv	96
7) Chloroethane	3.176	64	360614	12.655	ppbv	95
8) Dichlorotetrafluoroethane	2.835	85	2399417	11.943	ppbv	99
9) Propene	2.671	41	899840	12.451	ppbv	98
10) Heptane	7.571	43	2169367	12.780	ppbv	99
11) Trichlorofluoromethane	3.542	101	2473823	12.296	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.047	101	1802452	12.784	ppbv	99
13) Ethanol	3.221	45	62897m	3.923	ppbv	
14) Bromoethene	3.346	108	757933	13.400	ppbv	98
15) Acetone	3.446	43	1760479	11.005	ppbv	99
16) 1,3-Butadiene	2.964	39	1014052	13.319	ppbv	99
17) tert-Butyl alcohol	3.857	59	1836705	14.883	ppbv	99
18) 1,1-Dichloroethene	3.861	96	806522	13.011	ppbv	100
19) Isopropyl Alcohol	3.555	45	1143994	13.027	ppbv	100
20) Methylene Chloride	3.915	84	675282	11.634	ppbv	99
21) Allyl Chloride	3.980	41	1284615	13.313	ppbv	97
22) trans-1,2-Dichloroethene	4.430	96	809963	13.156	ppbv	99
23) Vinyl Acetate	4.613	43	1570687	9.960	ppbv	98
24) 1,1-Dichloroethane	4.545	63	1677304	12.269	ppbv	99
25) Ethyl Acetate	5.189	43	3804371	12.915	ppbv	100
26) Hexane	5.198	57	1615258	12.384	ppbv	98
27) Carbon Disulfide	4.105	76	2038049	12.842	ppbv	99
28) Methyl tert-Butyl Ether	4.568	73	986442	10.196	ppbv	100
29) Chloroform	5.263	83	2540539	12.624	ppbv	99
30) Cyclohexane	6.590	84	1411237	13.581	ppbv	96
31) cis-1,2-Dichloroethene	5.063	61	1628471	13.023	ppbv	100
32) 1,1,1-Trichloroethane	5.989	97	2522136	11.940	ppbv	100
34) 2-Butanone	4.771	43	2330483	13.274	ppbv	99
35) Carbon Tetrachloride	6.481	117	2695636	12.269	ppbv	98
36) Benzene	6.359	78	3438269	12.487	ppbv	100
37) 1,2-Dichloroethane	5.793	62	1975307	12.503	ppbv	100
38) Trichloroethene	7.282	130	1582683	13.195	ppbv	98
39) 1,2-Dichloropropane	7.063	63	1340584	12.599	ppbv	96
40) 1,4-Dioxane	7.269	88	505735	14.825	ppbv	80
41) Tetrahydrofuran	5.542	42	1399340	12.868	ppbv	100
42) Bromodichloromethane	7.240	83	2836611	12.832	ppbv	99
43) Methyl Methacrylate	7.465	69	1415809	13.686	ppbv	100
44) 2,2,4-Trimethylpentane	7.314	57	5650271	12.075	ppbv	99
45) t-1,3-Dichloropropene	8.703	75	1508473	23.041	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041405.D
 Acq On : 25 Jul 2024 18:06
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2024
 Supervised By :Mahesh Dadoda 07/29/2024

Quant Time: Jul 26 02:45:39 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

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

QLast Update : Thu Jul 25 14:31:18 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	1956016	22.219	ppbv	96
47) 1,1,2-Trichloroethane	8.893	97	1451859	12.721	ppbv	96
48) Dibromochloromethane	9.706	129	2512083	13.707	ppbv	100
49) Bromoform	12.404	173	2210280	15.143	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	3807510	13.505	ppbv	99
51) 2-Hexanone	9.542	43	3193628	15.936	ppbv	100
52) Tetrachloroethene	10.610	164	1349134	12.202	ppbv	98
53) Toluene	9.214	91	4102245	13.210	ppbv	99
54) 1,2-Dibromoethane	10.002	107	2140365	15.154	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.503	131	1780102	11.753	ppbv #	58
57) Chlorobenzene	11.523	112	3158639	11.963	ppbv	98
58) Ethyl Benzene	12.082	91	5512808	12.242	ppbv	99
59) m/p-Xylene	12.365	91	9224976m	23.671	ppbv	
60) o-Xylene	13.053	91	4441698	12.076	ppbv	100
61) Styrene	12.892	104	2297760	12.864	ppbv	99
62) Isopropylbenzene	14.027	105	6413793	11.295	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.044	83	2691069	9.287	ppbv	99
64) n-propylbenzene	14.915	120	1752978	11.826	ppbv	100
65) tert-Butylbenzene	16.088	119	5746630	11.366	ppbv	99
66) Benzyl Chloride	16.323	91	487926	14.686	ppbv	99
67) sec-Butylbenzene	16.632	105	8009840	11.201	ppbv	98
69) p-Isopropyltoluene	16.992	119	6796381	11.508	ppbv	99
70) n-Butylbenzene	17.883	91	6996243	11.589	ppbv	98
71) 2-Chlorotoluene	14.796	91	4875167	11.557	ppbv	98
72) 4-Ethyltoluene	15.188	105	5320289	12.144	ppbv	97
73) 1,3,5-Trimethylbenzene	15.349	105	4587750	12.234	ppbv	99
74) 1,2,4-Trimethylbenzene	16.105	105	5066348	11.990	ppbv	97
75) 1,3-Dichlorobenzene	16.330	146	3202871	12.778	ppbv	100
76) 1,4-Dichlorobenzene	16.471	146	3142958	12.585	ppbv	100
77) 1,2-Dichlorobenzene	17.140	146	3101661	12.137	ppbv	99
78) Hexachloro-1,3-Butadiene	22.628	225	2444092	13.150	ppbv	99
79) Naphthalene	21.381	128	5532989	24.347	ppbv	99
80) Naphthalene,2-methyl-	24.368	142	5230189	8744.993	ppbv	100
81) 1,2,4-Trichlorobenzene	21.136	180	2891669	20.588	ppbv	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041406.D
 Acq On : 25 Jul 2024 19:31
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL072524

Quant Time: Jul 29 01:38:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jul 26 07:31:14 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	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Bromochloromethane	10.000	10.000	0.0	101	0.00
2 T	Dichlorodifluoromethane	10.000	9.847	1.5	119	0.00
3	Chlorodifluoromethane	10.000	8.981	10.2	100	0.00
4	Chloromethane	10.000	8.963	10.4	101	0.00
5 T	Vinyl Chloride	10.000	9.264	7.4	102	0.00
6 T	Bromomethane	10.000	9.214	7.9	101	0.00
7	Chloroethane	10.000	9.496	5.0	102	0.00
8 T	Dichlorotetrafluoroethane	10.000	9.031	9.7	100	0.00
9 T	Propene	10.000	9.482	5.2	107	0.00
10 T	Heptane	10.000	9.841	1.6	101	0.00
11 T	Trichlorofluoromethane	10.000	8.800	12.0	98	0.00
12 T	1,1,2-Trichlorotrifluoroeth	10.000	8.941	10.6	99	0.00
13	Ethanol	10.000	6.269	37.3#	88	0.00
14 T	Bromoethene	10.000	9.593	4.1	100	0.00
15 T	Acetone	10.000	8.780	12.2	101	0.00
16 T	1,3-Butadiene	10.000	8.923	10.8	98	0.00
17	tert-Butyl alcohol	10.000	10.362	-3.6	103	0.00
18 T	1,1-Dichloroethene	10.000	9.602	4.0	100	0.00
19 T	Isopropyl Alcohol	10.000	8.805	12.0	91	0.00
20 T	Methylene Chloride	10.000	8.588	14.1	99	0.00
21 T	Allyl Chloride	10.000	9.744	2.6	101	0.00
22 T	trans-1,2-Dichloroethene	10.000	9.627	3.7	102	0.00
23 T	Vinyl Acetate	10.000	10.238	-2.4	101	0.00
24 T	1,1-Dichloroethane	10.000	8.974	10.3	98	0.00
25 T	Ethyl Acetate	10.000	9.581	4.2	103	0.00
26 T	Hexane	10.000	9.737	2.6	103	0.00
27 T	Carbon Disulfide	10.000	9.875	1.3	97	0.00
28 T	Methyl tert-Butyl Ether	10.000	9.572	4.3	102	0.00
29 T	Chloroform	10.000	9.179	8.2	100	0.00
30 T	Cyclohexane	10.000	10.217	-2.2	103	0.00
31 T	cis-1,2-Dichloroethene	10.000	9.817	1.8	103	0.00
32 T	1,1,1-Trichloroethane	10.000	9.280	7.2	99	0.00
33 I	1,4-Difluorobenzene	10.000	10.000	0.0	101	0.00
34 T	2-Butanone	10.000	9.886	1.1	103	0.00
35 T	Carbon Tetrachloride	10.000	9.425	5.7	96	0.00
36 T	Benzene	10.000	9.678	3.2	101	0.00
37 T	1,2-Dichloroethane	10.000	9.592	4.1	101	0.00
38 T	Trichloroethene	10.000	9.485	5.2	100	0.00
39 T	1,2-Dichloropropane	10.000	9.722	2.8	103	0.00
40 T	1,4-Dioxane	10.000	7.654	23.5	76	0.00
41 T	Tetrahydrofuran	10.000	10.640	-6.4	107	0.00
42 T	Bromodichloromethane	10.000	9.550	4.5	99	0.00
43	Methyl Methacrylate	10.000	10.898	-9.0	102	0.00
44 T	2,2,4-Trimethylpentane	10.000	9.470	5.3	100	0.00
45 T	t-1,3-Dichloropropene	10.000	12.021	-20.2	102	0.00
46 T	cis-1,3-Dichloropropene	10.000	11.015	-10.2	102	0.00
47 T	1,1,2-Trichloroethane	10.000	9.452	5.5	100	0.00
48 T	Dibromochloromethane	10.000	9.797	2.0	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041406.D
 Acq On : 25 Jul 2024 19:31
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL072524

Quant Time: Jul 29 01:38:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jul 26 07:31:14 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	Amount	Calc.	%Dev	Area%	Dev(min)

49 T	Bromoform	10.000	10.340	-3.4	98	0.00
50 T	4-Methyl-2-Pentanone	10.000	10.222	-2.2	102	0.00
51 T	2-Hexanone	10.000	10.994	-9.9	101	0.00
52 T	Tetrachloroethene	10.000	9.604	4.0	101	0.00
53 T	Toluene	10.000	10.183	-1.8	101	0.00
54 T	1,2-Dibromoethane	10.000	10.313	-3.1	100	0.00
55 I	Chlorobenzene-d5	10.000	10.000	0.0	104	0.00
56	1,1,1,2-Tetrachloroethane	10.000	8.940	10.6	97	0.00
57 T	Chlorobenzene	10.000	8.892	11.1	99	0.00
58 T	Ethyl Benzene	10.000	9.542	4.6	100	0.00
59 T	m/p-Xylene	20.000	18.591	7.0	99	0.00
60 T	o-Xylene	10.000	9.434	5.7	100	0.00
61 T	Styrene	10.000	10.485	-4.8	100	0.00
62	Isopropylbenzene	10.000	9.026	9.7	99	0.00
63 T	1,1,2,2-Tetrachloroethane	10.000	8.895	11.1	97	0.00
64	n-propylbenzene	10.000	9.254	7.5	98	0.00
65	tert-Butylbenzene	10.000	8.930	10.7	98	0.00
66 T	Benzyl Chloride	10.000	11.045	-10.4	104	0.00
67	sec-Butylbenzene	10.000	9.010	9.9	97	0.00
68 S	1-Bromo-4-Fluorobenzene	10.000	9.830	1.7	101	0.00
69	p-Isopropyltoluene	10.000	9.165	8.4	97	0.00
70	n-Butylbenzene	10.000	9.165	8.4	97	0.00
71	2-Chlorotoluene	10.000	9.245	7.6	99	0.00
72 T	4-Ethyltoluene	10.000	9.535	4.6	97	0.00
73 T	1,3,5-Trimethylbenzene	10.000	9.563	4.4	98	0.00
74 T	1,2,4-Trimethylbenzene	10.000	9.057	9.4	98	0.00
75 T	1,3-Dichlorobenzene	10.000	9.027	9.7	98	0.00
76 T	1,4-Dichlorobenzene	10.000	9.089	9.1	98	0.00
77 T	1,2-Dichlorobenzene	10.000	8.874	11.3	98	0.00
78 T	Hexachloro-1,3-Butadiene	10.000	8.012	19.9	99	0.00
79 T	Naphthalene	10.000	10.810	-8.1	98	0.00
80 T	Naphthalene,2-methyl-	10.000	11.790	-17.9	102	0.00
81 T	1,2,4-Trichlorobenzene	10.000	9.517	4.8	99	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041406.D
 Acq On : 25 Jul 2024 19:31
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL072524

Quant Time: Jul 29 01:38:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jul 26 07:31:14 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	101	0.00
2 T	Dichlorodifluoromethane	1.720	1.694	1.5	119	0.00
3	Chlorodifluoromethane	1.190	1.069	10.2	100	0.00
4	Chloromethane	0.633	0.568	10.3	101	0.00
5 T	Vinyl Chloride	0.624	0.578	7.4	102	0.00
6 T	Bromomethane	0.321	0.296	7.8	101	0.00
7	Chloroethane	0.215	0.205	4.7	102	0.00
8 T	Dichlorotetrafluoroethane	1.524	1.377	9.6	100	0.00
9 T	Propene	0.547	0.519	5.1	107	0.00
10 T	Heptane	1.229	1.209	1.6	101	0.00
11 T	Trichlorofluoromethane	1.528	1.345	12.0	98	0.00
12 T	1,1,2-Trichlorotrifluoroeth	1.100	0.984	10.5	99	0.00
13	Ethanol	0.049	0.031#	36.7#	88	0.00
14 T	Bromoethene	0.429	0.411	4.2	100	0.00
15 T	Acetone	1.136	0.998	12.1	101	0.00
16 T	1,3-Butadiene	0.607	0.542	10.7	98	0.00
17	tert-Butyl alcohol	1.036	1.074	-3.7	103	0.00
18 T	1,1-Dichloroethene	0.471	0.452	4.0	100	0.00
19 T	Isopropyl Alcohol	0.664	0.585	11.9	91	0.00
20 T	Methylene Chloride	0.424	0.364	14.2	99	0.00
21 T	Allyl Chloride	0.745	0.726	2.6	101	0.00
22 T	trans-1,2-Dichloroethene	0.471	0.453	3.8	102	0.00
23 T	Vinyl Acetate	0.868	0.888	-2.3	101	0.00
24 T	1,1-Dichloroethane	1.022	0.917	10.3	98	0.00
25 T	Ethyl Acetate	2.257	2.163	4.2	103	0.00
26 T	Hexane	0.936	0.912	2.6	103	0.00
27 T	Carbon Disulfide	1.095	1.082	1.2	97	0.00
28 T	Methyl tert-Butyl Ether	0.591	0.565	4.4	102	0.00
29 T	Chloroform	1.527	1.402	8.2	100	0.00
30 T	Cyclohexane	0.763	0.779	-2.1	103	0.00
31 T	cis-1,2-Dichloroethene	0.925	0.908	1.8	103	0.00
32 T	1,1,1-Trichloroethane	1.487	1.380	7.2	99	0.00
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	101	0.00
34 T	2-Butanone	0.484	0.478	1.2	103	0.00
35 T	Carbon Tetrachloride	0.552	0.520	5.8	96	0.00
36 T	Benzene	0.731	0.707	3.3	101	0.00
37 T	1,2-Dichloroethane	0.409	0.392	4.2	101	0.00
38 T	Trichloroethene	0.335	0.318	5.1	100	0.00
39 T	1,2-Dichloropropane	0.280	0.272	2.9	103	0.00
40 T	1,4-Dioxane	0.112	0.086	23.2	76	0.00
41 T	Tetrahydrofuran	0.277	0.294	-6.1	107	0.00
42 T	Bromodichloromethane	0.591	0.564	4.6	99	0.00
43	Methyl Methacrylate	0.262	0.286	-9.2	102	0.00
44 T	2,2,4-Trimethylpentane	1.220	1.156	5.2	100	0.00
45 T	t-1,3-Dichloropropene	0.241	0.290	-20.3	102	0.00
46 T	cis-1,3-Dichloropropene	0.348	0.384	-10.3	102	0.00
47 T	1,1,2-Trichloroethane	0.308	0.291	5.5	100	0.00
48 T	Dibromochloromethane	0.497	0.487	2.0	98	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072524\
 Data File : VL041406.D
 Acq On : 25 Jul 2024 19:31
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL072524

Quant Time: Jul 29 01:38:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Jul 26 07:31:14 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	0.420	0.434	-3.3	98	0.00
50 T	4-Methyl-2-Pentanone	0.763	0.780	-2.2	102	0.00
51 T	2-Hexanone	0.577	0.634	-9.9	101	0.00
52 T	Tetrachloroethene	0.282	0.271	3.9	101	0.00
53 T	Toluene	0.814	0.829	-1.8	101	0.00
54 T	1,2-Dibromoethane	0.410	0.423	-3.2	100	0.00
55 I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
56	1,1,1,2-Tetrachloroethane	0.388	0.347	10.6	97	0.00
57 T	Chlorobenzene	0.712	0.633	11.1	99	0.00
58 T	Ethyl Benzene	1.153	1.100	4.6	100	0.00
59 T	m/p-Xylene	0.995	0.925	7.0	99	0.00
60 T	o-Xylene	0.941	0.888	5.6	100	0.00
61 T	Styrene	0.425	0.445	-4.7	100	0.00
62	Isopropylbenzene	1.431	1.292	9.7	99	0.00
63 T	1,1,2,2-Tetrachloroethane	0.594	0.529	10.9	97	0.00
64	n-propylbenzene	0.374	0.346	7.5	98	0.00
65	tert-Butylbenzene	1.292	1.154	10.7	98	0.00
66 T	Benzyl Chloride	0.083	0.092	-10.8	104	0.00
67	sec-Butylbenzene	1.781	1.604	9.9	97	0.00
68 S	1-Bromo-4-Fluorobenzene	0.770	0.756	1.8	101	0.00
69	p-Isopropyltoluene	1.478	1.354	8.4	97	0.00
70	n-Butylbenzene	1.515	1.388	8.4	97	0.00
71	2-Chlorotoluene	1.055	0.976	7.5	99	0.00
72 T	4-Ethyltoluene	1.108	1.057	4.6	97	0.00
73 T	1,3,5-Trimethylbenzene	0.955	0.913	4.4	98	0.00
74 T	1,2,4-Trimethylbenzene	1.110	1.005	9.5	98	0.00
75 T	1,3-Dichlorobenzene	0.698	0.630	9.7	98	0.00
76 T	1,4-Dichlorobenzene	0.676	0.614	9.2	98	0.00
77 T	1,2-Dichlorobenzene	0.692	0.614	11.3	98	0.00
78 T	Hexachloro-1,3-Butadiene	0.590	0.473	19.8	99	0.00
79 T	Naphthalene	0.980	1.059	-8.1	98	0.00
80 T	Naphthalene,2-methyl-	0.821	0.968	-17.9	102	0.00
81 T	1,2,4-Trichlorobenzene	0.583	0.555	4.8	99	0.00

(#) = Out of Range

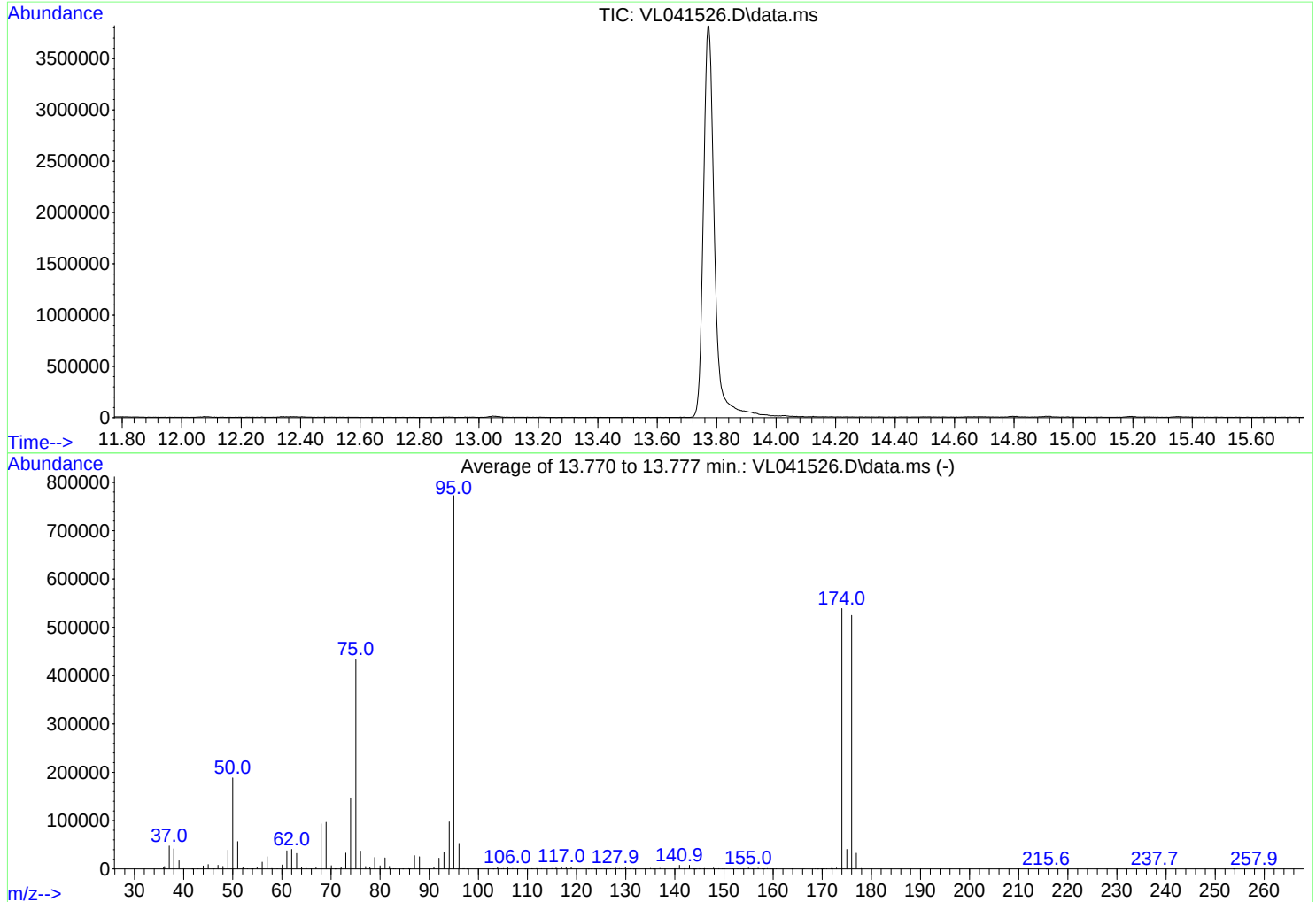
SPCC's out = 0 CCC's out = 0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081224\
Data File : VL041526.D
Acq On : 12 Aug 2024 8:07
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\VL072524AIR.M
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
Last Update : Tue Aug 13 02:09:20 2024



AutoFind: Scans 3473, 3474, 3475; Background Corrected with Scan 3450

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
50	95	8	40	24.4	188523	PASS
75	95	30	66	56.0	432981	PASS
95	95	100	100	100.0	772672	PASS
96	95	5	9	6.8	52669	PASS
173	174	0.00	2	0.3	1634	PASS
174	95	50	120	69.7	538880	PASS
175	174	4	9	7.5	40432	PASS
176	174	93	101	97.4	524672	PASS
177	176	5	9	6.2	32579	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081224\
 Data File : VL041527.D
 Acq On : 12 Aug 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 08/13/2024
 Supervised By :Mahesh Dadoda 08/13/2024

Quant Time: Aug 13 02:09:53 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

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

QLast Update : Tue Aug 13 02:09:20 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.188	49	948929	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.651	114	2600579	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2578319m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.773 95 1870101 9.425 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 94.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.729	85	997402	6.110	ppbv	99
3) Chlorodifluoromethane	2.674	51	1138655	10.080	ppbv	99
4) Chloromethane	2.812	50	619455	10.310	ppbv	96
5) Vinyl Chloride	2.922	62	621840	10.500	ppbv	99
6) Bromomethane	3.121	94	324573	10.663	ppbv	99
7) Chloroethane	3.198	64	211114	10.329	ppbv	99
8) Dichlorotetrafluoroethane	2.857	85	1418259	9.805	ppbv	98
9) Propene	2.693	41	519155	10.004	ppbv	100
10) Heptane	7.577	43	1304292	11.186	ppbv	99
11) Trichlorofluoromethane	3.562	101	1461566	10.081	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.066	101	1066072	10.212	ppbv	99
13) Ethanol	3.243	45	39522m	8.521	ppbv	
14) Bromoethene	3.365	108	425269	10.449	ppbv	97
15) Acetone	3.468	43	1110391	10.299	ppbv	100
16) 1,3-Butadiene	2.986	39	610988	10.607	ppbv	99
17) tert-Butyl alcohol	3.877	59	1169878	11.897	ppbv	99
18) 1,1-Dichloroethene	3.880	96	469860	10.521	ppbv	98
19) Isopropyl Alcohol	3.574	45	691176	10.965	ppbv	99
20) Methylene Chloride	3.931	84	392216	9.755	ppbv	98
21) Allyl Chloride	3.996	41	772532	10.926	ppbv	99
22) trans-1,2-Dichloroethene	4.443	96	500475	11.208	ppbv	99
23) Vinyl Acetate	4.626	43	987621	11.994	ppbv	99
24) 1,1-Dichloroethane	4.561	63	1050452	10.834	ppbv	99
25) Ethyl Acetate	5.201	43	2334339	10.898	ppbv	100
26) Hexane	5.211	57	965613	10.867	ppbv	99
27) Carbon Disulfide	4.124	76	1148948	11.053	ppbv	99
28) Methyl tert-Butyl Ether	4.584	73	620342	11.071	ppbv	99
29) Chloroform	5.272	83	1516034	10.460	ppbv	97
30) Cyclohexane	6.600	84	825630	11.410	ppbv	99
31) cis-1,2-Dichloroethene	5.076	61	946511	10.783	ppbv	98
32) 1,1,1-Trichloroethane	6.002	97	1493406	10.586	ppbv	100
34) 2-Butanone	4.783	43	1378498	10.958	ppbv	100
35) Carbon Tetrachloride	6.494	117	1559323	10.871	ppbv	100
36) Benzene	6.368	78	2053064	10.804	ppbv	100
37) 1,2-Dichloroethane	5.806	62	1149797	10.811	ppbv	100
38) Trichloroethene	7.291	130	948439	10.895	ppbv	99
39) 1,2-Dichloropropane	7.073	63	790468	10.865	ppbv	100
40) 1,4-Dioxane	7.288	88	315670	10.801	ppbv #	1
41) Tetrahydrofuran	5.555	42	838835	11.659	ppbv	98
42) Bromodichloromethane	7.249	83	1668411	10.864	ppbv	98
43) Methyl Methacrylate	7.475	69	808557	11.866	ppbv	96
44) 2,2,4-Trimethylpentane	7.327	57	3460189	10.902	ppbv	100
45) t-1,3-Dichloropropene	8.709	75	835718	13.325	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081224\
 Data File : VL041527.D
 Acq On : 12 Aug 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 08/13/2024
 Supervised By : Mahesh Dadoda 08/13/2024

Quant Time: Aug 13 02:09:53 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 13 2024

QLast Update : Tue Aug 13 02:09:20 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	1117986	12.344	ppbv	96
47) 1,1,2-Trichloroethane	8.899	97	846976	10.562	ppbv	98
48) Dibromochloromethane	9.709	129	1435054	11.108	ppbv	99
49) Bromoform	12.407	173	1244113	11.401	ppbv	99
50) 4-Methyl-2-Pentanone	8.179	43	2281073	11.493	ppbv	99
51) 2-Hexanone	9.548	43	1863230	12.415	ppbv	99
52) Tetrachloroethene	10.609	164	774992	10.555	ppbv	96
53) Toluene	9.220	91	2400814	11.343	ppbv	100
54) 1,2-Dibromoethane	10.005	107	1243024	11.646	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.507	131	1053113	10.532	ppbv #	55
57) Chlorobenzene	11.523	112	1877092	10.225	ppbv	99
58) Ethyl Benzene	12.085	91	3229692	10.868	ppbv	98
59) m/p-Xylene	12.371	91	5506827m	21.466	ppbv	
60) o-Xylene	13.056	91	2634952	10.858	ppbv	99
61) Styrene	12.896	104	1285721	11.743	ppbv	99
62) Isopropylbenzene	14.027	105	3824563	10.367	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.043	83	1605022	10.474	ppbv	99
64) n-propylbenzene	14.912	120	1036299	10.744	ppbv	97
65) tert-Butylbenzene	16.088	119	3458283	10.378	ppbv	100
66) Benzyl Chloride	16.326	91	278383	13.025	ppbv	99
67) sec-Butylbenzene	16.635	105	4833640	10.528	ppbv	99
69) p-Isopropyltoluene	16.992	119	4069168	10.681	ppbv	100
70) n-Butylbenzene	17.883	91	4208009	10.774	ppbv	100
71) 2-Chlorotoluene	14.799	91	2902468	10.668	ppbv	99
72) 4-Ethyltoluene	15.188	105	3172041	11.102	ppbv	99
73) 1,3,5-Trimethylbenzene	15.346	105	2711766	11.017	ppbv	97
74) 1,2,4-Trimethylbenzene	16.104	105	3037676	10.615	ppbv	97
75) 1,3-Dichlorobenzene	16.326	146	1883631	10.472	ppbv	99
76) 1,4-Dichlorobenzene	16.471	146	1835391	10.538	ppbv	100
77) 1,2-Dichlorobenzene	17.140	146	1832533	10.277	ppbv	100
78) Hexachloro-1,3-Butadiene	22.631	225	1390607	9.145	ppbv	100
79) Naphthalene	21.381	128	3085623	12.217	ppbv	99
80) Naphthalene,2-methyl-	24.368	142	2619024	12.370	ppbv	99
81) 1,2,4-Trichlorobenzene	21.133	180	1625845	10.817	ppbv	100

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

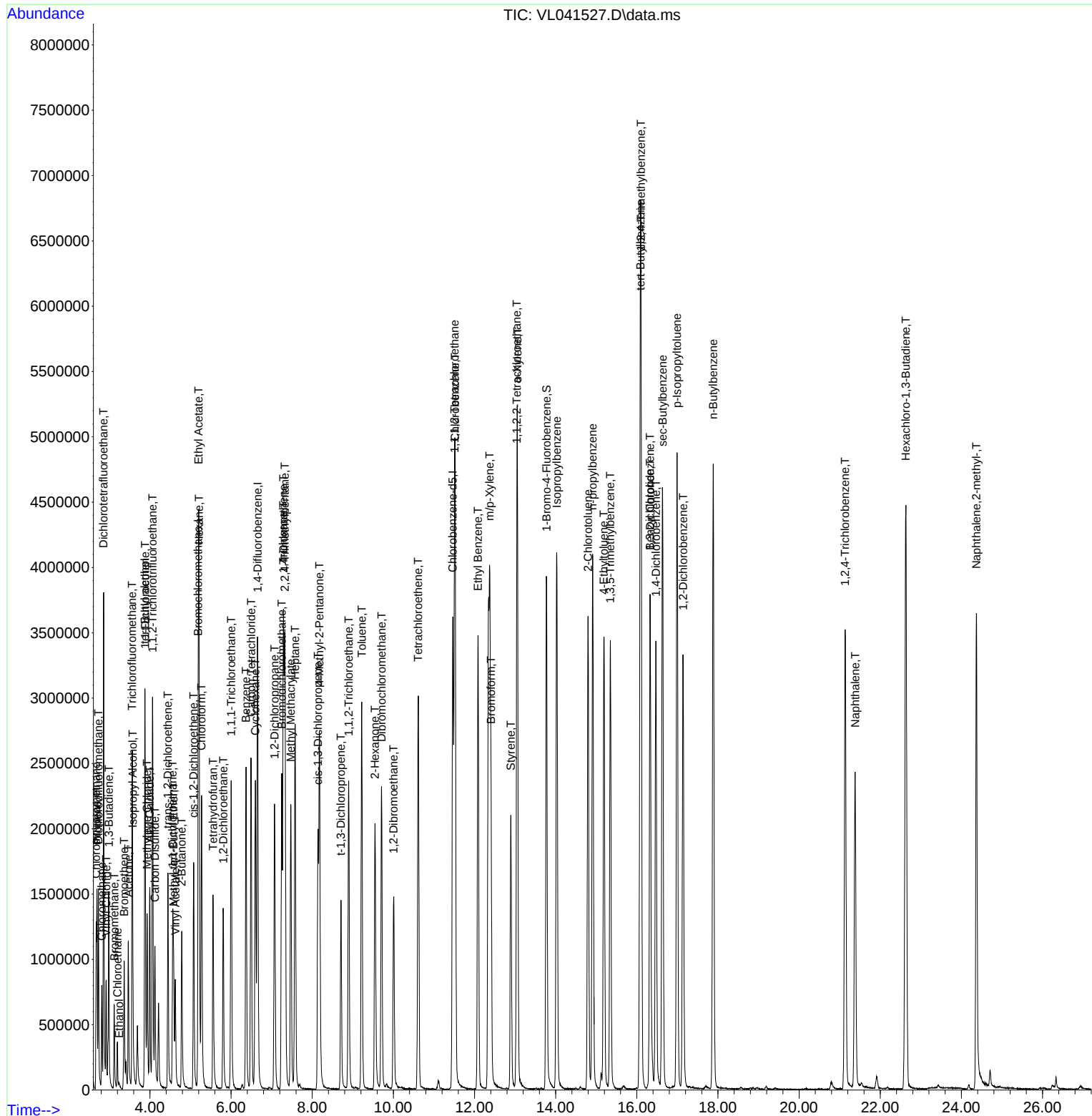
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081224\
Data File : VL041527.D
Acq On : 12 Aug 2024 8:46
Operator : SY/MD
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Aug 13 02:09:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Aug 13 02:09:20 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 08/13/2024
Supervised By : Mahesh Dadoda 08/13/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081224\
 Data File : VL041527.D
 Acq On : 12 Aug 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: Aug 13 02:09:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 13 02:09:20 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	77	0.00
2 T	Dichlorodifluoromethane	1.720	1.051	38.9#	57	0.00
3	Chlorodifluoromethane	1.190	1.200	-0.8	87	0.00
4	Chloromethane	0.633	0.653	-3.2	89	0.00
5 T	Vinyl Chloride	0.624	0.655	-5.0	89	0.00
6 T	Bromomethane	0.321	0.342	-6.5	90	0.00
7	Chloroethane	0.215	0.222	-3.3	85	0.00
8 T	Dichlorotetrafluoroethane	1.524	1.495	1.9	84	0.00
9 T	Propene	0.547	0.547	0.0	86	0.00
10 T	Heptane	1.229	1.374	-11.8	89	0.00
11 T	Trichlorofluoromethane	1.528	1.540	-0.8	86	0.00
12 T	1,1,2-Trichlorotrifluoroeth	1.100	1.123	-2.1	87	0.00
13	Ethanol	0.049	0.042#	14.3	92	0.00
14 T	Bromoethene	0.429	0.448	-4.4	84	0.00
15 T	Acetone	1.136	1.170	-3.0	91	0.00
16 T	1,3-Butadiene	0.607	0.644	-6.1	90	0.00
17	tert-Butyl alcohol	1.036	1.233	-19.0	91	0.00
18 T	1,1-Dichloroethene	0.471	0.495	-5.1	84	0.00
19 T	Isopropyl Alcohol	0.664	0.728	-9.6	87	0.00
20 T	Methylene Chloride	0.424	0.413	2.6	86	0.00
21 T	Allyl Chloride	0.745	0.814	-9.3	87	0.00
22 T	trans-1,2-Dichloroethene	0.471	0.527	-11.9	91	0.00
23 T	Vinyl Acetate	0.868	1.041	-19.9	91	0.00
24 T	1,1-Dichloroethane	1.022	1.107	-8.3	91	0.00
25 T	Ethyl Acetate	2.257	2.460	-9.0	90	0.00
26 T	Hexane	0.936	1.018	-8.8	89	0.00
27 T	Carbon Disulfide	1.095	1.211	-10.6	84	0.00
28 T	Methyl tert-Butyl Ether	0.591	0.654	-10.7	91	0.00
29 T	Chloroform	1.527	1.598	-4.6	87	0.00
30 T	Cyclohexane	0.763	0.870	-14.0	88	0.00
31 T	cis-1,2-Dichloroethene	0.925	0.997	-7.8	87	0.00
32 T	1,1,1-Trichloroethane	1.487	1.574	-5.9	87	0.00
33 I	1,4-Difluorobenzene	1.000	1.000	0.0	78	0.00
34 T	2-Butanone	0.484	0.530	-9.5	88	0.00
35 T	Carbon Tetrachloride	0.552	0.600	-8.7	85	0.00
36 T	Benzene	0.731	0.789	-7.9	87	0.00
37 T	1,2-Dichloroethane	0.409	0.442	-8.1	87	0.00
38 T	Trichloroethene	0.335	0.365	-9.0	88	0.00
39 T	1,2-Dichloropropane	0.280	0.304	-8.6	89	0.00
40 T	1,4-Dioxane	0.112	0.121	-8.0	82	0.00
41 T	Tetrahydrofuran	0.277	0.323	-16.6	90	0.00
42 T	Bromodichloromethane	0.591	0.642	-8.6	86	0.00
43	Methyl Methacrylate	0.262	0.311	-18.7	85	0.00
44 T	2,2,4-Trimethylpentane	1.220	1.331	-9.1	89	0.00
45 T	t-1,3-Dichloropropene	0.241	0.321	-33.2#	87	0.00
46 T	cis-1,3-Dichloropropene	0.348	0.430	-23.6	87	0.00
47 T	1,1,2-Trichloroethane	0.308	0.326	-5.8	86	0.00
48 T	Dibromochloromethane	0.497	0.552	-11.1	85	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081224\
 Data File : VL041527.D
 Acq On : 12 Aug 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: Aug 13 02:09:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 13 02:09:20 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	0.420	0.478	-13.8	83	0.00
50 T	4-Methyl-2-Pentanone	0.763	0.877	-14.9	88	0.00
51 T	2-Hexanone	0.577	0.716	-24.1	87	0.00
52 T	Tetrachloroethene	0.282	0.298	-5.7	85	0.00
53 T	Toluene	0.814	0.923	-13.4	86	0.00
54 T	1,2-Dibromoethane	0.410	0.478	-16.6	86	0.00
55 I	Chlorobenzene-d5	1.000	1.000	0.0	79	0.00
56	1,1,1,2-Tetrachloroethane	0.388	0.408	-5.2	87	0.00
57 T	Chlorobenzene	0.712	0.728	-2.2	86	0.00
58 T	Ethyl Benzene	1.153	1.253	-8.7	86	0.00
59 T	m/p-Xylene	0.995	1.068	-7.3	86	0.00
60 T	o-Xylene	0.941	1.022	-8.6	87	0.00
61 T	Styrene	0.425	0.499	-17.4	85	0.00
62	Isopropylbenzene	1.431	1.483	-3.6	86	0.00
63 T	1,1,2,2-Tetrachloroethane	0.594	0.623	-4.9	87	0.00
64	n-propylbenzene	0.374	0.402	-7.5	86	0.00
65	tert-Butylbenzene	1.292	1.341	-3.8	86	0.00
66 T	Benzyl Chloride	0.083	0.108	-30.1#	93	0.00
67	sec-Butylbenzene	1.781	1.875	-5.3	86	0.00
68 S	1-Bromo-4-Fluorobenzene	0.770	0.725	5.8	73	0.00
69	p-Isopropyltoluene	1.478	1.578	-6.8	86	0.00
70	n-Butylbenzene	1.515	1.632	-7.7	87	0.00
71	2-Chlorotoluene	1.055	1.126	-6.7	86	0.00
72 T	4-Ethyltoluene	1.108	1.230	-11.0	85	0.00
73 T	1,3,5-Trimethylbenzene	0.955	1.052	-10.2	85	0.00
74 T	1,2,4-Trimethylbenzene	1.110	1.178	-6.1	87	0.00
75 T	1,3-Dichlorobenzene	0.698	0.731	-4.7	86	0.00
76 T	1,4-Dichlorobenzene	0.676	0.712	-5.3	86	0.00
77 T	1,2-Dichlorobenzene	0.692	0.711	-2.7	86	0.00
78 T	Hexachloro-1,3-Butadiene	0.590	0.539	8.6	86	0.00
79 T	Naphthalene	0.980	1.197	-22.1	84	0.00
80 T	Naphthalene,2-methyl-	0.821	1.016	-23.8	81	0.00
81 T	1,2,4-Trichlorobenzene	0.583	0.631	-8.2	85	0.00

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081224\
 Data File : VL041528.D
 Acq On : 12 Aug 2024 9:26
 Operator : SY/MD
 Sample : VL0812ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABL01

Quant Time: Aug 13 02:10:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 13 02:09:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1006565	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2741893	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2459164	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.777	95	1894639	10.011	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.100%

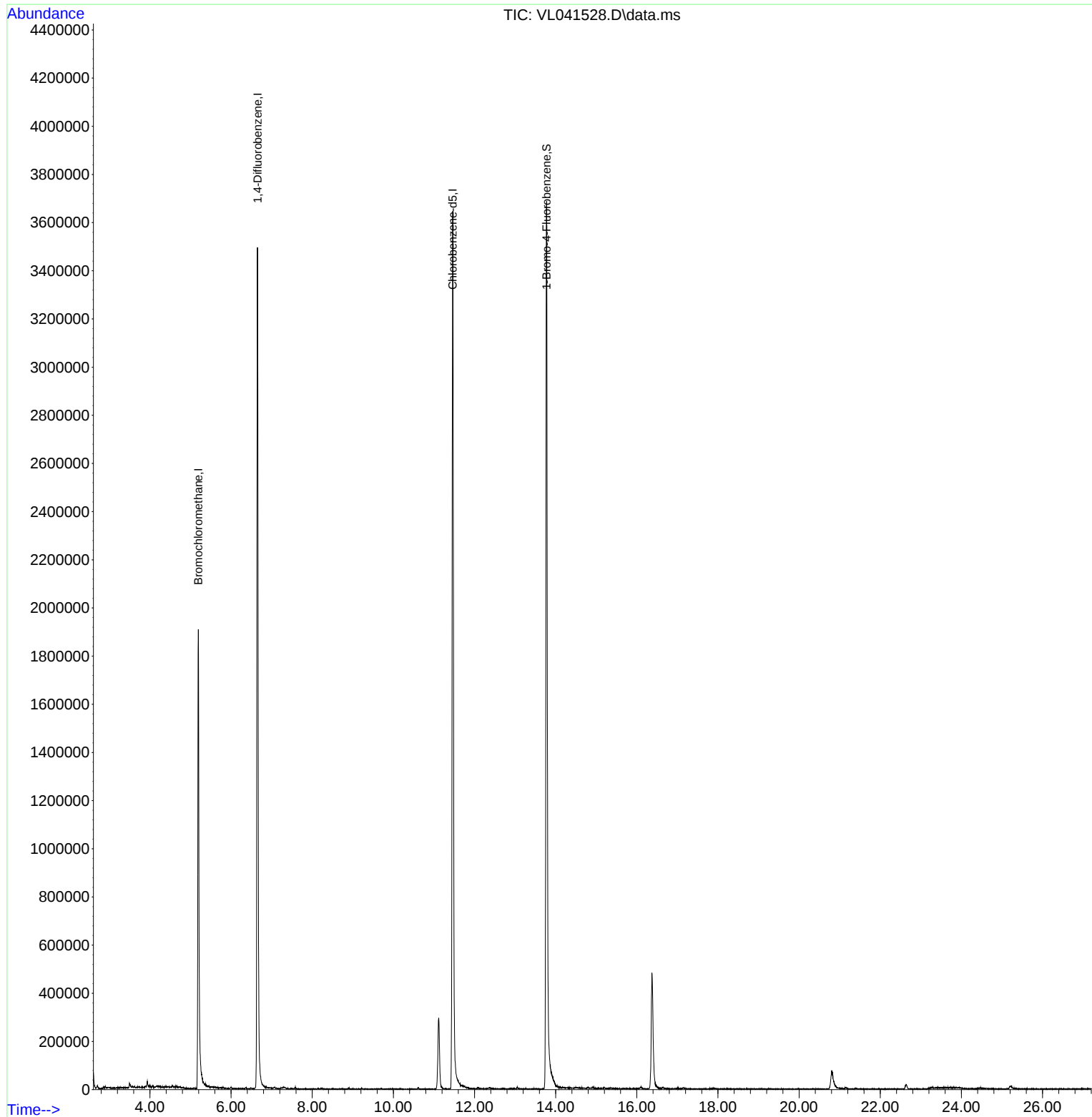
Target Compounds	Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081224\
Data File : VL041528.D
Acq On : 12 Aug 2024 9:26
Operator : SY/MD
Sample : VL0812ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABL01

Quant Time: Aug 13 02:10:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Aug 13 02:09:20 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081224\
 Data File : VL041529.D
 Acq On : 12 Aug 2024 10:05
 Operator : SY/MD
 Sample : VL0812ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

Quant Time: Aug 13 02:11:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 9 2024
 QLast Update : Tue Aug 13 02:09:20 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/13/2024
 Supervised By : Mahesh Dadoda 08/13/2024

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

Internal Standards						
1) Bromochloromethane	5.195	49	988193	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2660153	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2524478m	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.774	95	1891814	9.738	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.400%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.739	85	905343	5.325	ppbv	99
3) Chlorodifluoromethane	2.684	51	1121989	9.538	ppbv	99
4) Chloromethane	2.822	50	610004	9.749	ppbv	100
5) Vinyl Chloride	2.928	62	620995	10.069	ppbv	97
6) Bromomethane	3.128	94	326521	10.301	ppbv	100
7) Chloroethane	3.205	64	215022	10.102	ppbv	90
8) Dichlorotetrafluoroethane	2.867	85	1373877	9.121	ppbv	98
9) Propene	2.703	41	519112	9.606	ppbv	99
10) Heptane	7.581	43	1282690	10.564	ppbv	100
11) Trichlorofluoromethane	3.568	101	1455475	9.640	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.073	101	1068922	9.832	ppbv	99
13) Ethanol	3.247	45	38526m	7.976	ppbv	
14) Bromoethene	3.375	108	438805	10.353	ppbv	99
15) Acetone	3.475	43	1101046	9.806	ppbv	100
16) 1,3-Butadiene	2.993	39	605142	10.088	ppbv	99
17) tert-Butyl alcohol	3.880	59	1112351	10.863	ppbv	99
18) 1,1-Dichloroethene	3.886	96	477938	10.277	ppbv	97
19) Isopropyl Alcohol	3.581	45	675688	10.294	ppbv	99
20) Methylene Chloride	3.938	84	402818	9.621	ppbv	97
21) Allyl Chloride	4.002	41	754318	10.244	ppbv	99
22) trans-1,2-Dichloroethene	4.449	96	472384	10.159	ppbv	98
23) Vinyl Acetate	4.629	43	974925	11.369	ppbv	99
24) 1,1-Dichloroethane	4.568	63	1014451	10.047	ppbv	99
25) Ethyl Acetate	5.208	43	2341862	10.499	ppbv	100
26) Hexane	5.218	57	970422	10.487	ppbv	100
27) Carbon Disulfide	4.131	76	1148640	10.611	ppbv	99
28) Methyl tert-Butyl Ether	4.591	73	609853	10.451	ppbv	99
29) Chloroform	5.279	83	1511516	10.015	ppbv	96
30) Cyclohexane	6.607	84	821031	10.896	ppbv	98
31) cis-1,2-Dichloroethene	5.083	61	937376	10.255	ppbv	99
32) 1,1,1-Trichloroethane	6.005	97	1493561	10.166	ppbv	99
34) 2-Butanone	4.790	43	1382863	10.746	ppbv	100
35) Carbon Tetrachloride	6.497	117	1557349	10.614	ppbv	99
36) Benzene	6.372	78	2036238	10.476	ppbv	99
37) 1,2-Dichloroethane	5.809	62	1145036	10.525	ppbv	100
38) Trichloroethene	7.291	130	931264	10.458	ppbv	96
39) 1,2-Dichloropropane	7.073	63	795856	10.695	ppbv	97
40) 1,4-Dioxane	7.285	88	336934	11.271	ppbv	98
41) Tetrahydrofuran	5.558	42	820821	11.153	ppbv	99
42) Bromodichloromethane	7.250	83	1656690	10.546	ppbv	96
43) Methyl Methacrylate	7.475	69	808977	11.606	ppbv	97
44) 2,2,4-Trimethylpentane	7.330	57	3444514	10.610	ppbv	100
45) t-1,3-Dichloropropene	8.713	75	825143	12.861	ppbv	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081224\
 Data File : VL041529.D
 Acq On : 12 Aug 2024 10:05
 Operator : SY/MD
 Sample : VL0812ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0812ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/13/2024
 Supervised By : Mahesh Dadoda 08/13/2024

Quant Time: Aug 13 02:11:06 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 13 2024

QLast Update : Tue Aug 13 02:09:20 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.144	75	1114571	12.031	ppbv	98
47) 1,1,2-Trichloroethane	8.899	97	863062	10.521	ppbv	98
48) Dibromochloromethane	9.709	129	1432991	10.844	ppbv	99
49) Bromoform	12.407	173	1254551	11.239	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	2303506	11.346	ppbv	100
51) 2-Hexanone	9.552	43	1867694	12.166	ppbv #	98
52) Tetrachloroethene	10.616	164	777552	10.353	ppbv	98
53) Toluene	9.221	91	2380203	10.993	ppbv	100
54) 1,2-Dibromoethane	10.008	107	1228899	11.255	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.507	131	1036341	10.585	ppbv #	57
57) Chlorobenzene	11.526	112	1863270	10.367	ppbv	99
58) Ethyl Benzene	12.089	91	3212582	11.041	ppbv	99
59) m/p-Xylene	12.372	91	5471535m	21.783	ppbv	
60) o-Xylene	13.057	91	2624879	11.047	ppbv	100
61) Styrene	12.899	104	1281440	11.954	ppbv	99
62) Isopropylbenzene	14.031	105	3800877	10.522	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.047	83	1617481	10.780	ppbv	100
64) n-propylbenzene	14.915	120	1017816	10.778	ppbv	94
65) tert-Butylbenzene	16.092	119	3434158	10.526	ppbv	100
66) Benzyl Chloride	16.330	91	289599	13.839	ppbv	98
67) sec-Butylbenzene	16.635	105	4831714	10.749	ppbv	100
69) p-Isopropyltoluene	16.995	119	4063282	10.893	ppbv	100
70) n-Butylbenzene	17.886	91	4227497	11.055	ppbv	99
71) 2-Chlorotoluene	14.799	91	2864928	10.755	ppbv	99
72) 4-Ethyltoluene	15.191	105	3146268	11.247	ppbv	98
73) 1,3,5-Trimethylbenzene	15.352	105	2690441	11.164	ppbv	100
74) 1,2,4-Trimethylbenzene	16.108	105	3014700	10.760	ppbv	99
75) 1,3-Dichlorobenzene	16.330	146	1876465	10.654	ppbv	100
76) 1,4-Dichlorobenzene	16.474	146	1877028	11.006	ppbv	97
77) 1,2-Dichlorobenzene	17.140	146	1824591	10.450	ppbv	99
78) Hexachloro-1,3-Butadiene	22.638	225	1386346m	9.311	ppbv	
79) Naphthalene	21.381	128	3075936	12.438	ppbv	99
80) Naphthalene,2-methyl-	24.371	142	2572995	12.412	ppbv	100
81) 1,2,4-Trichlorobenzene	21.143	180	1625135	11.043	ppbv	100

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081224\
Data File : VL041529.D
Acq On : 12 Aug 2024 10:05
Operator : SY/MD
Sample : VL0812ABS01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0812ABS01

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 08/13/2024
Supervised By :Mahesh Dadoda 08/13/2024

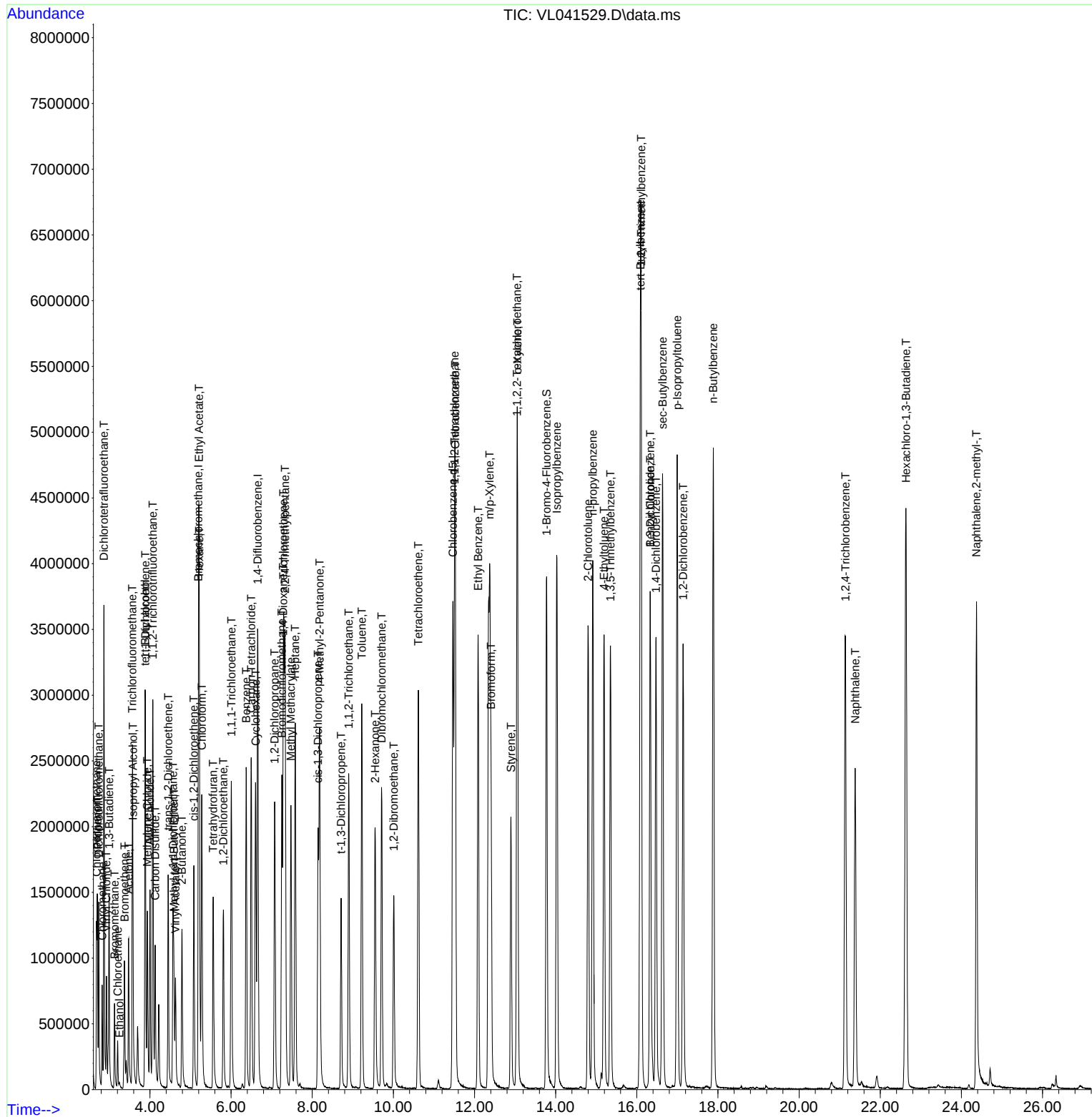
Quant Time: Aug 13 02:11:06 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

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

QLast Update : Tue Aug 13 02:09:20 2024

Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081224\
 Data File : VL041538.D
 Acq On : 13 Aug 2024 7:36
 Operator : SY/MD
 Sample : QC081224 CAN 10448
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC081224 CAN 10448

Quant Time: Aug 13 08:07:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 06 01:32:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	955718	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2550647	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2369899	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1791058	9.821	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.200%

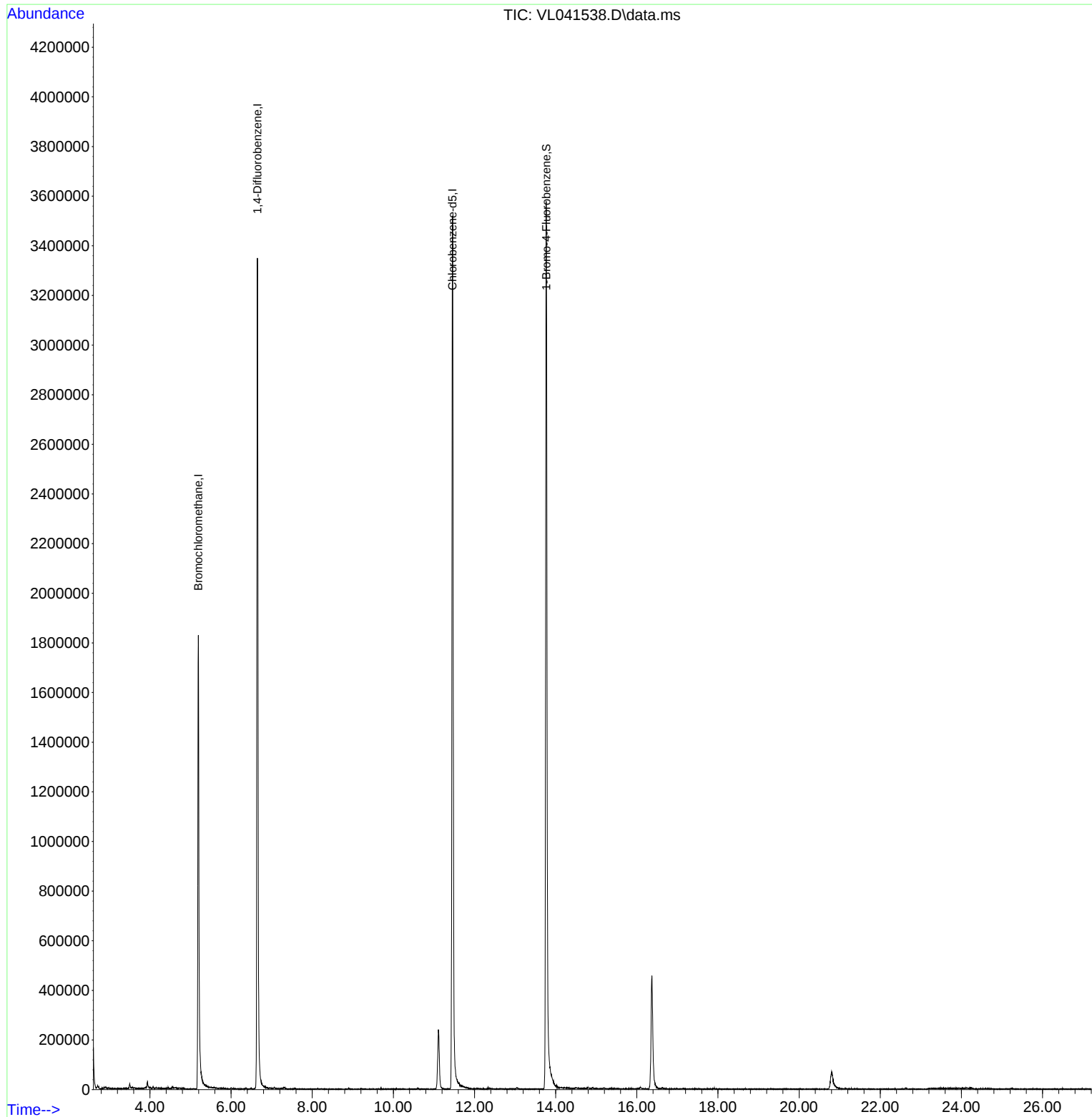
Target Compounds	Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081224\
Data File : VL041538.D
Acq On : 13 Aug 2024 7:36
Operator : SY/MD
Sample : QC081224 CAN 10448
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC081224 CAN 10448

Quant Time: Aug 13 08:07:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Tue Aug 06 01:32:58 2024
Response via : Initial Calibration



Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QC Batch ID # VL072524

Review By	Semsettin Yesilyurt	Review On	7/29/2024 10:58:46 AM
Supervise By	Mahesh Dadoda	Supervise On	7/29/2024 5:57:16 PM
SubDirectory	VL072524	HP Acquire Method	AIR-TO15
		HP Processing Method	VL072524AIR.M
STD. NAME	STD REF.#		
Tune/Reschk	AP2535		
Initial Calibration Stds	AP2539,AP2540,AP2541		
CCC	AP2539		
Internal Standard/PEM	AP2535		
ICV/I.BLK	AP2537		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL041397.D	25 Jul 2024 12:29	SY/MD	Ok
2	VSTDICC0.5	VL041398.D	25 Jul 2024 13:19	SY/MD	Ok,M
3	VSTDICCC010	VL041399.D	25 Jul 2024 13:59	SY/MD	Ok,M
4	VSTDICC002	VL041400.D	25 Jul 2024 14:40	SY/MD	Ok,M
5	VSTDICC001	VL041401.D	25 Jul 2024 15:19	SY/MD	Ok,M
6	VSTDICC0.5	VL041402.D	25 Jul 2024 16:00	SY/MD	Not Ok
7	VSTDICC0.1	VL041403.D	25 Jul 2024 16:42	SY/MD	Ok,M
8	VSTDICC0.03	VL041404.D	25 Jul 2024 17:24	SY/MD	Ok,M
9	VSTDICC015	VL041405.D	25 Jul 2024 18:06	SY/MD	Ok,M
10	VSTDICV010	VL041406.D	25 Jul 2024 19:31	SY/MD	Ok,M
11	VL0725ABL01	VL041407.D	25 Jul 2024 20:56	SY/MD	Ok
12	VL0725ABS01	VL041408.D	25 Jul 2024 21:38	SY/MD	Ok,M
13	VIBLK	VL041409.D	25 Jul 2024 22:20	SY/MD	Ok
14	P3320-01	VL041410.D	26 Jul 2024 7:22	SY/MD	Ok,M
15	P3320-01DUP	VL041411.D	26 Jul 2024 8:02	SY/MD	Ok,M
16	P3320-02	VL041412.D	26 Jul 2024 8:43	SY/MD	Dilution
17	P3342-04	VL041413.D	26 Jul 2024 9:24	SY/MD	Ok,M
18	P3356-01	VL041414.D	26 Jul 2024 10:04	SY/MD	Dilution
19	P3356-02	VL041415.D	26 Jul 2024 10:45	SY/MD	Ok,M
20	P3320-02DL	VL041416.D	26 Jul 2024 11:25	SY/MD	Ok,M
21	P3356-01DL	VL041417.D	26 Jul 2024 12:05	SY/MD	Ok,M

Instrument ID: MSVOA_L

Daily Analysis Runlog For Sequence/QCBatch ID # VL072524

Review By	Semsettin Yesilyurt	Review On	7/29/2024 10:58:46 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/29/2024 5:57:16 PM		
SubDirectory	VL072524	HP Acquire Method	AIR-TO15	HP Processing Method	VL072524AIR.M
STD. NAME	STD REF.#				
Tune/Reschk	AP2535				
Initial Calibration Stds	AP2539,AP2540,AP2541				
CCC	AP2539				
Internal Standard/PEM	AP2535				
ICV/I.BLK	AP2537				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	VSTDCCC010	VL041418.D	26 Jul 2024 12:45	SY/MD	Not Ok
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M : Manual Integration

Instrument ID: **MSVOA_L**

Daily Analysis Runlog For Sequence/QC Batch ID # VL081224

Review By	Mahesh Dadoda	Review On	8/13/2024 6:29:37 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	8/14/2024 10:26:16 AM		
SubDirectory	VL081224	HP Acquire Method	AIR-TO15	HP Processing Method	VL072524AIR.M
STD. NAME	STD REF.#				
Tune/Reschk	AP2536				
Initial Calibration Stds	AP2539,AP2540,AP2541				
CCC	AP2539				
Internal Standard/PEM	AP2536				
ICV/I.BLK	AP2537				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VL041526.D	12 Aug 2024 8:07	SY/MD	Ok
2	VSTDCCC010	VL041527.D	12 Aug 2024 8:46	SY/MD	Ok,M
3	VL0812ABL01	VL041528.D	12 Aug 2024 9:26	SY/MD	Ok
4	VL0812ABS01	VL041529.D	12 Aug 2024 10:05	SY/MD	Ok,M
5	P3496-07DL	VL041530.D	12 Aug 2024 10:44	SY/MD	Dilution
6	P3496-07DL	VL041531.D	12 Aug 2024 11:24	SY/MD	Not Ok
7	P3496-07DL2	VL041532.D	12 Aug 2024 12:03	SY/MD	Ok,M
8	P3496-05DL	VL041533.D	12 Aug 2024 12:43	SY/MD	Not Ok
9	P3496-05DL2	VL041534.D	12 Aug 2024 13:25	SY/MD	Not Ok
10	P3496-06DL2	VL041535.D	12 Aug 2024 14:07	SY/MD	Ok,M
11	P3496-06DL2	VL041536.D	12 Aug 2024 14:49	SY/MD	Not Ok
12	P3496-05DL2	VL041537.D	12 Aug 2024 15:51	SY/MD	Ok,M
13	QC081224 CAN 10448	VL041538.D	13 Aug 2024 7:36	SY/MD	Ok

M : Manual Integration