

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032525\
 Data File : VL042167.D
 Acq On : 25 Mar 2025 10:31
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Mar 26 01:32:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Mar 26 01:29:19 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 03/26/2025
 Supervised By : Mahesh Dadoda 03/26/2025

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

Internal Standards						
1) Bromochloromethane	2.793	49	171862	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	416184	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	345835	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	279009	10.324	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 103.200%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	12189	0.643	ppbv	98
3) Chlorodifluoromethane	1.479	51	12836	0.515	ppbv	98
4) Chloromethane	1.534	50	4615	0.663	ppbv	97
5) Vinyl Chloride	1.583	62	4004	0.617	ppbv	98
6) Bromomethane	1.670	94	2263	0.717	ppbv	99
7) Chloroethane	1.706	64	2098	0.782	ppbv	98
8) Dichlorotetrafluoroethane	1.557	85	9485	0.615	ppbv	99
9) Propene	1.486	41	5118	0.506	ppbv	99
10) Heptane	4.998	43	9416m	0.300	ppbv	
11) Trichlorofluoromethane	1.881	101	13706	0.723	ppbv	88
12) 1,1,2-Trichlorotrifluo...	2.143	101	10236	0.668	ppbv	99
13) Ethanol	1.725	45	718m	1.085	ppbv	
14) Bromoethene	1.787	108	3349	0.633	ppbv #	85
15) Acetone	1.842	43	12678	0.792	ppbv	91
16) 1,3-Butadiene	1.612	39	4716	0.635	ppbv	92
17) tert-Butyl alcohol	2.046	59	11660	0.605	ppbv #	93
18) 1,1-Dichloroethene	2.039	96	4594	0.677	ppbv #	76
19) Isopropyl Alcohol	1.890	45	6586	0.725	ppbv #	97
20) Methylene Chloride	2.068	84	5125	0.854	ppbv #	76
21) Allyl Chloride	2.101	41	7271	0.634	ppbv #	84
22) trans-1,2-Dichloroethene	2.347	96	4901	0.611	ppbv	83
23) Vinyl Acetate	2.470	43	5458m	0.534	ppbv	
24) 1,1-Dichloroethane	2.415	63	9421	0.631	ppbv #	94
25) Ethyl Acetate	2.848	43	25152	0.414	ppbv #	97
26) Hexane	2.829	57	7631m	0.314	ppbv	
27) Carbon Disulfide	2.156	76	11258	0.635	ppbv #	20
28) Methyl tert-Butyl Ether	2.447	73	6126m	0.488	ppbv	
29) Chloroform	2.855	83	16404	0.495	ppbv	97
30) Cyclohexane	3.871	84	5711	0.294	ppbv	93
31) cis-1,2-Dichloroethene	2.725	61	8856	0.391	ppbv	89
32) 1,1,1-Trichloroethane	3.376	97	13720	0.435	ppbv	97
34) 2-Butanone	2.567	43	15619	0.477	ppbv	100
35) Carbon Tetrachloride	3.771	117	14843	0.511	ppbv #	82
36) Benzene	3.671	78	18706m	0.428	ppbv	
37) 1,2-Dichloroethane	3.227	62	10548	0.434	ppbv #	94
38) Trichloroethene	4.564	130	7809m	0.439	ppbv	
39) 1,2-Dichloropropane	4.334	63	7874m	0.472	ppbv	
40) 1,4-Dioxane	4.616	88	2555m	0.339	ppbv	
41) Tetrahydrofuran	3.072	42	6170	0.323	ppbv	97
42) Bromodichloromethane	4.499	83	16341m	0.498	ppbv	
43) Methyl Methacrylate	4.904	69	6063m	0.363	ppbv	
44) 2,2,4-Trimethylpentane	4.658	57	27834	0.357	ppbv	93
45) t-1,3-Dichloropropene	6.428	75	5416m	0.334	ppbv	

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 Supervised By :Mahesh Dadoda 03/26/2025

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

QLast Update : Wed Mar 26 01:29:19 2025

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	7246m	0.343	ppbv	
47) 1,1,2-Trichloroethane	6.603	97	8781m	0.514	ppbv	
48) Dibromochloromethane	7.406	129	12111m	0.458	ppbv	
49) Bromoform	9.493	173	9485	0.411	ppbv	98
50) 4-Methyl-2-Pentanone	5.787	43	16306m	0.387	ppbv	
51) 2-Hexanone	7.457	43	11275m	0.394	ppbv	
52) Tetrachloroethene	8.234	164	6668m	0.448	ppbv	
53) Toluene	6.943	91	12970m	0.269	ppbv	
54) 1,2-Dibromoethane	7.671	107	9384m	0.413	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.933	131	11061m	0.550	ppbv	
57) Chlorobenzene	8.933	112	19487	0.531	ppbv	96
58) Ethyl Benzene	9.361	91	16344	0.258	ppbv	99
59) m/p-Xylene	9.561	91	26870m	0.522	ppbv	
60) o-Xylene	9.976	91	13955	0.268	ppbv	96
61) Styrene	9.882	104	5460	0.231	ppbv	93
62) Isopropylbenzene	10.548	105	23146	0.298	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.976	83	17176	0.497	ppbv #	95
64) n-propylbenzene	10.998	120	5082m	0.247	ppbv	
65) tert-Butylbenzene	11.542	119	18647	0.260	ppbv	93
66) Benzyl Chloride	11.620	91	1904	0.359	ppbv #	86
67) sec-Butylbenzene	11.775	105	30673	0.299	ppbv	98
69) p-Isopropyltoluene	11.934	119	21279	0.259	ppbv #	94
70) n-Butylbenzene	12.290	91	22796	0.270	ppbv	92
71) 2-Chlorotoluene	10.908	91	16451	0.275	ppbv	99
72) 4-Ethyltoluene	11.134	105	16413	0.257	ppbv #	93
73) 1,3,5-Trimethylbenzene	11.212	105	15075	0.272	ppbv	92
74) 1,2,4-Trimethylbenzene	11.545	105	19401	0.307	ppbv	92
75) 1,3-Dichlorobenzene	11.617	146	15915	0.433	ppbv	95
76) 1,4-Dichlorobenzene	11.681	146	14128	0.387	ppbv	95
77) 1,2-Dichlorobenzene	11.956	146	17364	0.482	ppbv	99
78) Hexachloro-1,3-Butadiene	13.889	225	16551	0.582	ppbv	95
79) Naphthalene	13.520	128	14082	0.309	ppbv	99
80) Naphthalene,2-methyl-	14.465	142	3903	0.287	ppbv	88
81) 1,2,4-Trichlorobenzene	13.445	180	8369	0.333	ppbv	98

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

Manual Integrations APPROVED

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL03252SAIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
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