

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012725\
 Data File : VL041948.D
 Acq On : 27 Jan 2025 13:05
 Operator : SY/MD
 Sample : Q1168-14 0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2025

Quant Time: Jan 28 02:35:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Jan 14 23:15:42 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 01/30/2025
 Supervised By : Mahesh Dadoda 01/30/2025

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

Internal Standards						
1) Bromochloromethane	2.800	49	143717	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	400111	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	343866	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	264875	9.780	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	11532	0.589	ppbv	95
3) Chlorodifluoromethane	1.479	51	12028	0.587	ppbv	99
4) Chloromethane	1.538	50	4212	0.572	ppbv	92
5) Vinyl Chloride	1.586	62	4205	0.564	ppbv	95
6) Bromomethane	1.670	94	1904	0.536	ppbv #	80
7) Chloroethane	1.709	64	1865	0.643	ppbv #	88
8) Dichlorotetrafluoroethane	1.560	85	8792	0.514	ppbv	88
9) Propene	1.489	41	4873	0.577	ppbv	95
10) Heptane	5.001	43	10432m	0.462	ppbv	
11) Trichlorofluoromethane	1.884	101	10561	0.519	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.149	101	9062	0.568	ppbv	98
13) Ethanol	1.729	45	731m	1.181	ppbv	
14) Bromoethene	1.787	108	2957	0.506	ppbv #	93
15) Acetone	1.845	43	12074	0.699	ppbv	94
16) 1,3-Butadiene	1.612	39	4366	0.564	ppbv	96
17) tert-Butyl alcohol	2.052	59	10623	0.500	ppbv #	91
18) 1,1-Dichloroethene	2.043	96	3760	0.523	ppbv	81
19) Isopropyl Alcohol	1.894	45	6978	0.682	ppbv #	32
20) Methylene Chloride	2.068	84	4488	0.658	ppbv #	80
21) Allyl Chloride	2.104	41	6128	0.513	ppbv #	84
22) trans-1,2-Dichloroethene	2.347	96	4552m	0.561	ppbv	
23) Vinyl Acetate	2.473	43	5081	0.594	ppbv #	82
24) 1,1-Dichloroethane	2.418	63	9332	0.594	ppbv	95
25) Ethyl Acetate	2.852	43	24423	0.525	ppbv	99
26) Hexane	2.836	57	9025	0.490	ppbv #	82
27) Carbon Disulfide	2.159	76	9531	0.523	ppbv #	32
28) Methyl tert-Butyl Ether	2.454	73	6211	0.441	ppbv	96
29) Chloroform	2.861	83	15948	0.548	ppbv	97
30) Cyclohexane	3.875	84	7250	0.454	ppbv	95
31) cis-1,2-Dichloroethene	2.732	61	10369	0.535	ppbv	97
32) 1,1,1-Trichloroethane	3.383	97	14275	0.513	ppbv	96
34) 2-Butanone	2.573	43	16425	0.646	ppbv	99
35) Carbon Tetrachloride	3.777	117	13934	0.554	ppbv	96
36) Benzene	3.674	78	19789	0.539	ppbv #	91
37) 1,2-Dichloroethane	3.234	62	12734	0.618	ppbv	98
38) Trichloroethene	4.567	130	8591m	0.590	ppbv	
39) 1,2-Dichloropropane	4.334	63	8234m	0.640	ppbv	
40) 1,4-Dioxane	4.635	88	3744m	0.576	ppbv	
41) Tetrahydrofuran	3.082	42	7516	0.544	ppbv	98
42) Bromodichloromethane	4.509	83	15063	0.545	ppbv	94
43) Methyl Methacrylate	4.910	69	6461m	0.474	ppbv	
44) 2,2,4-Trimethylpentane	4.664	57	30655	0.516	ppbv	94
45) t-1,3-Dichloropropene	6.441	75	5325m	0.417	ppbv	

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46) cis-1,3-Dichloropropene	5.626	75	7447m	0.444	ppbv	
47) 1,1,2-Trichloroethane	6.603	97	8122m	0.595	ppbv	
48) Dibromochloromethane	7.409	129	11366	0.540	ppbv	94
49) Bromoform	9.497	173	7903	0.457	ppbv	98
50) 4-Methyl-2-Pentanone	5.800	43	17140m	0.493	ppbv	
51) 2-Hexanone	7.467	43	11900m	0.446	ppbv	
52) Tetrachloroethene	8.238	164	6982	0.549	ppbv	86
53) Toluene	6.953	91	17686	0.442	ppbv	93
54) 1,2-Dibromoethane	7.671	107	9762	0.520	ppbv	87
56) 1,1,1,2-Tetrachloroethane	8.943	131	9768	0.569	ppbv #	1
57) Chlorobenzene	8.937	112	20248	0.638	ppbv #	90
58) Ethyl Benzene	9.367	91	21087	0.392	ppbv	96
59) m/p-Xylene	9.561	91	37787m	0.877	ppbv	
60) o-Xylene	9.979	91	17992	0.421	ppbv	96
61) Styrene	9.888	104	6941	0.362	ppbv	89
62) Isopropylbenzene	10.552	105	30211	0.457	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.979	83	16675	0.610	ppbv	96
64) n-propylbenzene	11.002	120	7183	0.430	ppbv	84
65) tert-Butylbenzene	11.545	119	27122	0.450	ppbv	98
66) Benzyl Chloride	11.626	91	1689	0.453	ppbv #	89
67) sec-Butylbenzene	11.782	105	37929	0.457	ppbv	96
69) p-Isopropyltoluene	11.937	119	28553	0.418	ppbv	97
70) n-Butylbenzene	12.296	91	27980	0.413	ppbv	99
71) 2-Chlorotoluene	10.911	91	21435	0.438	ppbv	100
72) 4-Ethyltoluene	11.138	105	20501	0.401	ppbv	96
73) 1,3,5-Trimethylbenzene	11.215	105	19241	0.426	ppbv	99
74) 1,2,4-Trimethylbenzene	11.549	105	22706	0.464	ppbv	95
75) 1,3-Dichlorobenzene	11.617	146	16524	0.570	ppbv	99
76) 1,4-Dichlorobenzene	11.685	146	15923	0.562	ppbv	98
77) 1,2-Dichlorobenzene	11.960	146	17275	0.601	ppbv	97
78) Hexachloro-1,3-Butadiene	13.892	225	14095	0.598	ppbv	99
79) Naphthalene	13.526	128	21208	0.431	ppbv #	96
80) Naphthalene,2-methyl-	14.471	142	6592	0.282	ppbv	97
81) 1,2,4-Trichlorobenzene	13.455	180	11777	0.490	ppbv	97

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

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