

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012725\
 Data File : VL041949.D
 Acq On : 27 Jan 2025 13:36
 Operator : SY/MD
 Sample : Q1168-13 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT1-2025

Quant Time: Jan 28 02:36:03 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	2.797	49	139423	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	394229	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	340733	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	259389	9.665	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.700%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.502	85	10010	0.527	ppbv	99
3) Chlorodifluoromethane	1.480	51	10588	0.532	ppbv	95
4) Chloromethane	1.538	50	4051	0.567	ppbv #	68
5) Vinyl Chloride	1.586	62	3802	0.526	ppbv	100
6) Bromomethane	1.674	94	1655	0.480	ppbv #	79
7) Chloroethane	1.709	64	1476	0.524	ppbv #	62
8) Dichlorotetrafluoroethane	1.557	85	8483	0.511	ppbv	94
9) Propene	1.489	41	3997	0.488	ppbv	88
10) Heptane	5.001	43	8985m	0.410	ppbv	
11) Trichlorofluoromethane	1.884	101	10107	0.512	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.150	101	8218	0.531	ppbv	97
13) Ethanol	1.729	45	579	0.965	ppbv	94
14) Bromoethene	1.787	108	2875	0.507	ppbv #	93
15) Acetone	1.842	43	11673	0.697	ppbv	99
16) 1,3-Butadiene	1.615	39	4078	0.543	ppbv	94
17) tert-Butyl alcohol	2.052	59	10611	0.515	ppbv #	91
18) 1,1-Dichloroethene	2.039	96	3443	0.493	ppbv	91
19) Isopropyl Alcohol	1.894	45	6115	0.616	ppbv #	32
20) Methylene Chloride	2.069	84	3918	0.592	ppbv	90
21) Allyl Chloride	2.104	41	5647	0.487	ppbv	88
22) trans-1,2-Dichloroethene	2.350	96	3761	0.478	ppbv #	65
23) Vinyl Acetate	2.473	43	4189m	0.505	ppbv	
24) 1,1-Dichloroethane	2.421	63	8022	0.527	ppbv #	91
25) Ethyl Acetate	2.855	43	20458	0.453	ppbv	97
26) Hexane	2.836	57	7821	0.438	ppbv #	86
27) Carbon Disulfide	2.159	76	8379	0.474	ppbv #	12
28) Methyl tert-Butyl Ether	2.454	73	5555	0.407	ppbv #	89
29) Chloroform	2.858	83	14487	0.513	ppbv	90
30) Cyclohexane	3.875	84	6160	0.398	ppbv #	89
31) cis-1,2-Dichloroethene	2.732	61	8643	0.460	ppbv #	87
32) 1,1,1-Trichloroethane	3.379	97	13112	0.485	ppbv	95
34) 2-Butanone	2.574	43	14175	0.565	ppbv	99
35) Carbon Tetrachloride	3.781	117	12541	0.506	ppbv #	93
36) Benzene	3.674	78	17434m	0.482	ppbv	
37) 1,2-Dichloroethane	3.231	62	11011	0.542	ppbv #	94
38) Trichloroethene	4.564	130	7274m	0.507	ppbv	
39) 1,2-Dichloropropane	4.337	63	6825	0.538	ppbv	89
40) 1,4-Dioxane	4.629	88	3236m	0.505	ppbv	
41) Tetrahydrofuran	3.078	42	6887m	0.505	ppbv	
42) Bromodichloromethane	4.506	83	13024m	0.478	ppbv	
43) Methyl Methacrylate	4.904	69	5233m	0.390	ppbv	
44) 2,2,4-Trimethylpentane	4.664	57	25175	0.430	ppbv	93
45) t-1,3-Dichloropropene	6.451	75	4438m	0.353	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.626	75	6389m	0.387	ppbv	
47) 1,1,2-Trichloroethane	6.610	97	7671m	0.571	ppbv	
48) Dibromochloromethane	7.409	129	9946	0.480	ppbv	99
49) Bromoform	9.500	173	7041m	0.413	ppbv	
50) 4-Methyl-2-Pentanone	5.794	43	14006m	0.409	ppbv	
51) 2-Hexanone	7.474	43	9881m	0.376	ppbv	
52) Tetrachloroethene	8.244	164	5984m	0.477	ppbv	
53) Toluene	6.959	91	15247	0.387	ppbv	95
54) 1,2-Dibromoethane	7.678	107	9109m	0.493	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.943	131	8391	0.494	ppbv #	65
57) Chlorobenzene	8.940	112	17331	0.551	ppbv #	87
58) Ethyl Benzene	9.370	91	19424	0.365	ppbv	96
59) m/p-Xylene	9.571	91	31037m	0.727	ppbv	
60) o-Xylene	9.979	91	15387	0.363	ppbv	98
61) Styrene	9.882	104	6327	0.333	ppbv	94
62) Isopropylbenzene	10.552	105	26180	0.399	ppbv	96
63) 1,1,2,2-Tetrachloroethane	9.976	83	14997	0.554	ppbv	98
64) n-propylbenzene	11.002	120	6152	0.371	ppbv	92
65) tert-Butylbenzene	11.545	119	21391	0.358	ppbv	99
66) Benzyl Chloride	11.633	91	1484m	0.401	ppbv	
67) sec-Butylbenzene	11.779	105	32120	0.390	ppbv	98
69) p-Isopropyltoluene	11.940	119	24328	0.359	ppbv	97
70) n-Butylbenzene	12.293	91	23438	0.349	ppbv	95
71) 2-Chlorotoluene	10.914	91	17792	0.367	ppbv	95
72) 4-Ethyltoluene	11.138	105	17031	0.336	ppbv #	96
73) 1,3,5-Trimethylbenzene	11.215	105	15683	0.350	ppbv	97
74) 1,2,4-Trimethylbenzene	11.552	105	18331	0.378	ppbv #	75
75) 1,3-Dichlorobenzene	11.617	146	14333	0.499	ppbv	96
76) 1,4-Dichlorobenzene	11.685	146	13591	0.484	ppbv	98
77) 1,2-Dichlorobenzene	11.960	146	14661	0.515	ppbv	97
78) Hexachloro-1,3-Butadiene	13.892	225	11364	0.486	ppbv	96
79) Naphthalene	13.523	128	14298	0.293	ppbv	94
80) Naphthalene,2-methyl-	14.468	142	3436	0.149	ppbv	96
81) 1,2,4-Trichlorobenzene	13.452	180	9238	0.388	ppbv	97

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

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