

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012725\
 Data File : VL041951.D
 Acq On : 27 Jan 2025 14:37
 Operator : SY/MD
 Sample : Q1168-13 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jan 28 02:37:46 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	140568	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	382409	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	330936	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	251323	9.642	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.400%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	2172	0.113	ppbv	98
3) Chlorodifluoromethane	1.483	51	2035	0.101	ppbv	92
4) Chloromethane	1.538	50	1002	0.139	ppbv	97
5) Vinyl Chloride	1.586	62	827	0.113	ppbv #	68
6) Bromomethane	1.673	94	593	0.171	ppbv	93
7) Chloroethane	1.709	64	294	0.104	ppbv	97
8) Dichlorotetrafluoroethane	1.560	85	1825	0.109	ppbv	99
9) Propene	1.489	41	1387	0.168	ppbv	96
10) Heptane	5.014	43	1408m	0.064	ppbv	
11) Trichlorofluoromethane	1.887	101	2449m	0.123	ppbv	
12) 1,1,2-Trichlorotrifluo...	2.149	101	1750	0.112	ppbv	90
13) Ethanol	1.732	45	216m	0.357	ppbv	
14) Bromoethene	1.790	108	554	0.097	ppbv #	52
15) Acetone	1.845	43	3332	0.197	ppbv	97
16) 1,3-Butadiene	1.615	39	831	0.110	ppbv	84
17) tert-Butyl alcohol	2.052	59	2115	0.102	ppbv #	89
18) 1,1-Dichloroethene	2.042	96	793	0.113	ppbv #	52
19) Isopropyl Alcohol	1.897	45	2077	0.207	ppbv #	37
20) Methylene Chloride	2.072	84	1754	0.263	ppbv #	80
21) Allyl Chloride	2.107	41	1719	0.147	ppbv #	69
22) trans-1,2-Dichloroethene	2.347	96	1075	0.135	ppbv #	68
23) Vinyl Acetate	2.466	43	1170m	0.140	ppbv	
24) 1,1-Dichloroethane	2.421	63	1981	0.129	ppbv #	87
25) Ethyl Acetate	2.858	43	4153m	0.091	ppbv	
26) Hexane	2.839	57	1404	0.078	ppbv #	63
27) Carbon Disulfide	2.162	76	1794	0.101	ppbv #	1
28) Methyl tert-Butyl Ether	2.454	73	1220	0.089	ppbv #	87
29) Chloroform	2.861	83	3093m	0.109	ppbv	
30) Cyclohexane	3.868	84	1242m	0.080	ppbv	
31) cis-1,2-Dichloroethene	2.732	61	2116	0.112	ppbv	98
32) 1,1,1-Trichloroethane	3.379	97	2566	0.094	ppbv #	89
34) 2-Butanone	2.573	43	3065	0.126	ppbv	97
35) Carbon Tetrachloride	3.784	117	3115	0.130	ppbv #	69
36) Benzene	3.674	78	3457m	0.099	ppbv	
37) 1,2-Dichloroethane	3.237	62	2495m	0.127	ppbv	
38) Trichloroethene	4.570	130	1583m	0.114	ppbv	
39) 1,2-Dichloropropane	4.331	63	1530m	0.124	ppbv	
40) 1,4-Dioxane	4.671	88	423m	0.068	ppbv	
41) Tetrahydrofuran	3.088	42	1507	0.114	ppbv #	80
42) Bromodichloromethane	4.515	83	2556m	0.097	ppbv	
43) Methyl Methacrylate	4.913	69	1060m	0.081	ppbv	
44) 2,2,4-Trimethylpentane	4.671	57	5541m	0.098	ppbv	
45) t-1,3-Dichloropropene	6.448	75	866m	0.071	ppbv	

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QLast Update : Tue Jan 14 23:15:42 2025

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.622	75	1241m	0.077	ppbv	
47) 1,1,2-Trichloroethane	6.613	97	1564m	0.120	ppbv	
48) Dibromochloromethane	7.409	129	2088m	0.104	ppbv	
49) Bromoform	9.503	173	1440m	0.087	ppbv	
50) 4-Methyl-2-Pentanone	5.810	43	2819m	0.085	ppbv	
51) 2-Hexanone	7.480	43	1849m	0.072	ppbv	
52) Tetrachloroethene	8.237	164	1167m	0.096	ppbv	
53) Toluene	6.959	91	3277m	0.086	ppbv	
54) 1,2-Dibromoethane	7.681	107	1828m	0.102	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.940	131	1664m	0.101	ppbv	
57) Chlorobenzene	8.940	112	3561m	0.117	ppbv	
58) Ethyl Benzene	9.377	91	3517	0.068	ppbv	93
59) m/p-Xylene	9.551	91	5567m	0.134	ppbv	
60) o-Xylene	9.975	91	2516m	0.061	ppbv	
61) Styrene	9.885	104	1265m	0.069	ppbv	
62) Isopropylbenzene	10.552	105	5233	0.082	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.979	83	3007	0.114	ppbv	97
64) n-propylbenzene	10.998	120	964	0.060	ppbv	85
65) tert-Butylbenzene	11.542	119	2876	0.050	ppbv	98
66) Benzyl Chloride	11.629	91	435m	0.121	ppbv	
67) sec-Butylbenzene	11.781	105	4891	0.061	ppbv	98
69) p-Isopropyltoluene	11.943	119	3580	0.054	ppbv	92
70) n-Butylbenzene	12.293	91	3251	0.050	ppbv	94
71) 2-Chlorotoluene	10.917	91	3509	0.075	ppbv	96
72) 4-Ethyltoluene	11.141	105	2593	0.053	ppbv #	81
73) 1,3,5-Trimethylbenzene	11.215	105	2698m	0.062	ppbv	
74) 1,2,4-Trimethylbenzene	11.552	105	2662	0.057	ppbv #	75
75) 1,3-Dichlorobenzene	11.620	146	2724	0.098	ppbv	95
76) 1,4-Dichlorobenzene	11.681	146	2046m	0.075	ppbv	
77) 1,2-Dichlorobenzene	11.960	146	2400	0.087	ppbv	94
78) Hexachloro-1,3-Butadiene	13.895	225	2478	0.109	ppbv	92
79) Naphthalene	13.523	128	2077	0.044	ppbv #	84
80) Naphthalene,2-methyl-	14.471	142	482m	0.021	ppbv	
81) 1,2,4-Trichlorobenzene	13.452	180	1665	0.072	ppbv	86

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

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