

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012725\
 Data File : VL041950.D
 Acq On : 27 Jan 2025 14:06
 Operator : SY/MD
 Sample : Q1168-13 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jan 28 02:36:54 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	140378	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	393689	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	335291	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	259853	9.840	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	8559	0.448	ppbv	95
3) Chlorodifluoromethane	1.480	51	9753	0.487	ppbv	99
4) Chloromethane	1.535	50	3138	0.436	ppbv #	83
5) Vinyl Chloride	1.583	62	3346	0.459	ppbv	96
6) Bromomethane	1.671	94	1711	0.493	ppbv	97
7) Chloroethane	1.709	64	1717	0.606	ppbv #	73
8) Dichlorotetrafluoroethane	1.557	85	7474	0.447	ppbv	99
9) Propene	1.486	41	3180	0.385	ppbv	90
10) Heptane	4.995	43	7413	0.336	ppbv	100
11) Trichlorofluoromethane	1.881	101	8715	0.438	ppbv	89
12) 1,1,2-Trichlorotrifluo...	2.143	101	7908	0.507	ppbv	91
13) Ethanol	1.726	45	475m	0.786	ppbv	
14) Bromoethene	1.784	108	2461	0.431	ppbv #	91
15) Acetone	1.842	43	10042	0.596	ppbv	99
16) 1,3-Butadiene	1.612	39	4003	0.529	ppbv #	79
17) tert-Butyl alcohol	2.049	59	9035	0.435	ppbv #	91
18) 1,1-Dichloroethene	2.040	96	3524	0.502	ppbv	89
19) Isopropyl Alcohol	1.894	45	5810	0.581	ppbv #	32
20) Methylene Chloride	2.069	84	3952	0.593	ppbv #	68
21) Allyl Chloride	2.101	41	5127	0.439	ppbv	87
22) trans-1,2-Dichloroethene	2.347	96	3981m	0.502	ppbv	
23) Vinyl Acetate	2.470	43	3754m	0.449	ppbv	
24) 1,1-Dichloroethane	2.415	63	7127	0.465	ppbv	97
25) Ethyl Acetate	2.849	43	18056	0.397	ppbv #	97
26) Hexane	2.836	57	6572	0.365	ppbv #	82
27) Carbon Disulfide	2.156	76	7805	0.439	ppbv #	19
28) Methyl tert-Butyl Ether	2.447	73	4868	0.354	ppbv	93
29) Chloroform	2.855	83	13909	0.489	ppbv #	82
30) Cyclohexane	3.872	84	5384m	0.345	ppbv	
31) cis-1,2-Dichloroethene	2.729	61	7261	0.383	ppbv #	84
32) 1,1,1-Trichloroethane	3.380	97	10968	0.403	ppbv	95
34) 2-Butanone	2.570	43	11680	0.467	ppbv	95
35) Carbon Tetrachloride	3.778	117	11019	0.446	ppbv	93
36) Benzene	3.668	78	15852	0.439	ppbv	95
37) 1,2-Dichloroethane	3.227	62	10062	0.496	ppbv	99
38) Trichloroethene	4.564	130	6821	0.476	ppbv #	82
39) 1,2-Dichloropropane	4.325	63	6174	0.487	ppbv #	67
40) 1,4-Dioxane	4.626	88	2697m	0.422	ppbv	
41) Tetrahydrofuran	3.075	42	5588m	0.411	ppbv	
42) Bromodichloromethane	4.503	83	11701	0.430	ppbv #	92
43) Methyl Methacrylate	4.898	69	4518m	0.337	ppbv	
44) 2,2,4-Trimethylpentane	4.658	57	22463	0.385	ppbv	95
45) t-1,3-Dichloropropene	6.432	75	4086m	0.325	ppbv	

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46) cis-1,3-Dichloropropene	5.623	75	5394m	0.327	ppbv	
47) 1,1,2-Trichloroethane	6.610	97	6681m	0.498	ppbv	
48) Dibromochloromethane	7.399	129	8140m	0.393	ppbv	
49) Bromoform	9.497	173	5887m	0.346	ppbv	
50) 4-Methyl-2-Pentanone	5.797	43	11950m	0.350	ppbv	
51) 2-Hexanone	7.464	43	8250	0.314	ppbv #	97
52) Tetrachloroethene	8.241	164	5069	0.405	ppbv #	80
53) Toluene	6.953	91	13400m	0.341	ppbv	
54) 1,2-Dibromoethane	7.665	107	7928m	0.430	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.937	131	7453	0.446	ppbv	87
57) Chlorobenzene	8.934	112	14737	0.476	ppbv #	86
58) Ethyl Benzene	9.364	91	16332	0.312	ppbv	99
59) m/p-Xylene	9.562	91	26120m	0.622	ppbv	
60) o-Xylene	9.973	91	12522	0.300	ppbv	94
61) Styrene	9.882	104	4936	0.264	ppbv	99
62) Isopropylbenzene	10.552	105	22512	0.349	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.976	83	12872	0.483	ppbv	98
64) n-propylbenzene	10.999	120	4965	0.305	ppbv	87
65) tert-Butylbenzene	11.539	119	18194	0.309	ppbv	99
66) Benzyl Chloride	11.623	91	1122m	0.308	ppbv	
67) sec-Butylbenzene	11.779	105	25454	0.314	ppbv	98
69) p-Isopropyltoluene	11.934	119	19353	0.290	ppbv	96
70) n-Butylbenzene	12.290	91	18157	0.275	ppbv	98
71) 2-Chlorotoluene	10.911	91	16241	0.340	ppbv	98
72) 4-Ethyltoluene	11.135	105	14941	0.300	ppbv	97
73) 1,3,5-Trimethylbenzene	11.212	105	12754	0.290	ppbv	98
74) 1,2,4-Trimethylbenzene	11.549	105	14772	0.310	ppbv #	78
75) 1,3-Dichlorobenzene	11.617	146	12513	0.443	ppbv	97
76) 1,4-Dichlorobenzene	11.682	146	11007	0.398	ppbv	96
77) 1,2-Dichlorobenzene	11.957	146	12824	0.458	ppbv	98
78) Hexachloro-1,3-Butadiene	13.889	225	9677	0.421	ppbv	96
79) Naphthalene	13.523	128	11296	0.235	ppbv	99
80) Naphthalene,2-methyl-	14.468	142	2307	0.101	ppbv #	93
81) 1,2,4-Trichlorobenzene	13.449	180	7225	0.308	ppbv	98

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

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