

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101024\
 Data File : VL041654.D
 Acq On : 10 Oct 2024 22:40
 Operator : SY/MD
 Sample : P4368-13 0.40
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2024

Quant Time: Oct 11 05:46:35 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

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

QLast Update : Tue Sep 17 09:12:21 2024

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 10/11/2024
 Supervised By : Mahesh Dadoda 10/14/2024

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

Internal Standards						
1) Bromochloromethane	5.173	49	942215	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.636	114	2711705	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2441271	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 1852386 10.308 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.706	85	78226	0.575	ppbv	100
3) Chlorodifluoromethane	2.652	51	53335	0.467	ppbv	98
4) Chloromethane	2.793	50	29662	0.472	ppbv	90
5) Vinyl Chloride	2.899	62	22849	0.420	ppbv	98
6) Bromomethane	3.102	94	11097	0.410	ppbv #	72
7) Chloroethane	3.176	64	9154	0.432	ppbv	100
8) Dichlorotetrafluoroethane	2.835	85	68708	0.481	ppbv	97
9) Propene	2.671	41	18052	0.374	ppbv	93
10) Heptane	7.565	43	32326	0.286	ppbv	92
11) Trichlorofluoromethane	3.542	101	62164	0.429	ppbv	94
12) 1,1,2-Trichlorotrifluo...	4.044	101	46790	0.446	ppbv	100
13) Ethanol	3.243	45	1037m	0.286	ppbv	
14) Bromoethene	3.346	108	15343	0.386	ppbv #	86
15) Acetone	3.469	43	62728	0.530	ppbv	94
16) 1,3-Butadiene	2.960	39	20223	0.351	ppbv	89
17) tert-Butyl alcohol	3.874	59	34418m	0.331	ppbv	
18) 1,1-Dichloroethene	3.861	96	19569	0.441	ppbv	85
19) Isopropyl Alcohol	3.584	45	16240	0.268	ppbv #	81
20) Methylene Chloride	3.912	84	21360	0.481	ppbv	88
21) Allyl Chloride	3.980	41	26400	0.385	ppbv #	83
22) trans-1,2-Dichloroethene	4.427	96	16625	0.375	ppbv	80
23) Vinyl Acetate	4.623	43	25968m	0.399	ppbv	
24) 1,1-Dichloroethane	4.542	63	41538	0.425	ppbv	99
25) Ethyl Acetate	5.198	43	77919	0.367	ppbv	96
26) Hexane	5.192	57	29034	0.328	ppbv #	72
27) Carbon Disulfide	4.112	76	31007m	0.329	ppbv	
28) Methyl tert-Butyl Ether	4.581	73	19429	0.356	ppbv	91
29) Chloroform	5.256	83	65275	0.450	ppbv	90
30) Cyclohexane	6.587	84	17987m	0.263	ppbv	
31) cis-1,2-Dichloroethene	5.060	61	27878	0.332	ppbv	92
32) 1,1,1-Trichloroethane	5.980	97	54807m	0.425	ppbv	
34) 2-Butanone	4.784	43	44097	0.341	ppbv	94
35) Carbon Tetrachloride	6.472	117	55174m	0.415	ppbv	
36) Benzene	6.349	78	58855	0.313	ppbv	99
37) 1,2-Dichloroethane	5.793	62	41636	0.381	ppbv	97
38) Trichloroethene	7.272	130	32925	0.339	ppbv	92
39) 1,2-Dichloropropane	7.060	63	26587	0.347	ppbv	93
40) 1,4-Dioxane	7.327	88	4287m	0.148	ppbv	
41) Tetrahydrofuran	5.571	42	20029m	0.281	ppbv	
42) Bromodichloromethane	7.230	83	53894	0.355	ppbv #	99
43) Methyl Methacrylate	7.468	69	15436	0.229	ppbv	88
44) 2,2,4-Trimethylpentane	7.314	57	95092	0.292	ppbv #	82
45) t-1,3-Dichloropropene	8.703	75	10735m	0.198	ppbv	

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	19462m	0.244	ppbv	
47) 1,1,2-Trichloroethane	8.886	97	29383m	0.361	ppbv	
48) Dibromochloromethane	9.697	129	37408	0.304	ppbv	94
49) Bromoform	12.391	173	29849m	0.282	ppbv	
50) 4-Methyl-2-Pentanone	8.195	43	52245m	0.262	ppbv	
51) 2-Hexanone	9.568	43	35258m	0.233	ppbv	
52) Tetrachloroethene	10.603	164	21974	0.322	ppbv	91
53) Toluene	9.208	91	47465	0.237	ppbv	98
54) 1,2-Dibromoethane	9.989	107	32435m	0.324	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.497	131	39324	0.413	ppbv #	1
57) Chlorobenzene	11.513	112	73880	0.420	ppbv	97
58) Ethyl Benzene	12.076	91	65207	0.250	ppbv	100
59) m/p-Xylene	12.365	91	126659m	0.545	ppbv	
60) o-Xylene	13.047	91	55496	0.249	ppbv	98
61) Styrene	12.886	104	18560m	0.199	ppbv	
62) Isopropylbenzene	14.015	105	109826	0.325	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.040	83	47700	0.418	ppbv	90
64) n-propylbenzene	14.899	120	24654m	0.283	ppbv	
65) tert-Butylbenzene	16.085	119	88296	0.285	ppbv	93
66) Benzyl Chloride	16.323	91	6363m	0.395	ppbv	
67) sec-Butylbenzene	16.632	105	120368	0.280	ppbv	99
69) p-Isopropyltoluene	16.986	119	86675	0.249	ppbv	93
70) n-Butylbenzene	17.876	91	97171m	0.267	ppbv	
71) 2-Chlorotoluene	14.790	91	66818	0.269	ppbv	94
72) 4-Ethyltoluene	15.182	105	65404m	0.251	ppbv	
73) 1,3,5-Trimethylbenzene	15.339	105	56955	0.247	ppbv	89
74) 1,2,4-Trimethylbenzene	16.101	105	76426	0.284	ppbv #	87
75) 1,3-Dichlorobenzene	16.323	146	58010m	0.344	ppbv	
76) 1,4-Dichlorobenzene	16.462	146	56423m	0.349	ppbv	
77) 1,2-Dichlorobenzene	17.134	146	56981	0.342	ppbv	94
78) Hexachloro-1,3-Butadiene	22.625	225	53514m	0.389	ppbv	
79) Naphthalene	21.384	128	27711m	0.140	ppbv	
80) Naphthalene,2-methyl-	24.432	142	8034m	0.058	ppbv	
81) 1,2,4-Trichlorobenzene	21.140	180	22147m	0.176	ppbv	

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

