

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121124\
 Data File : VL041730.D
 Acq On : 11 Dec 2024 20:31
 Operator : SY/MD
 Sample : P4368-14 0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2024

Quant Time: Dec 12 06:00:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121124AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Dec 12 05:50:25 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/13/2024
 Supervised By :Semsettin Yesilyurt 12/13/2024

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

Internal Standards						
1) Bromochloromethane	2.790	49	276367	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	1367993	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	1213209	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	793203	9.945	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	33990	0.701	ppbv	99
3) Chlorodifluoromethane	1.476	51	19927	0.530	ppbv	95
4) Chloromethane	1.534	50	9267	0.720	ppbv	99
5) Vinyl Chloride	1.583	62	11080	0.703	ppbv	94
6) Bromomethane	1.670	94	7837	0.758	ppbv	98
7) Chloroethane	1.706	64	4903	0.715	ppbv	98
8) Dichlorotetrafluoroethane	1.557	85	30522	0.772	ppbv	98
9) Propene	1.483	41	9811	0.612	ppbv	93
10) Heptane	4.988	43	24326m	0.548	ppbv	
11) Trichlorofluoromethane	1.881	101	37186	0.666	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	31937	0.635	ppbv	96
13) Ethanol	1.722	45	920	0.693	ppbv	79
14) Bromoethene	1.784	108	13205	0.716	ppbv #	97
15) Acetone	1.835	43	25061	0.785	ppbv	90
16) 1,3-Butadiene	1.609	39	7867	0.735	ppbv	91
17) tert-Butyl alcohol	2.043	59	28690	0.620	ppbv #	92
18) 1,1-Dichloroethene	2.725	96	20476	0.547	ppbv	95
19) Isopropyl Alcohol	1.887	45	28923	0.954	ppbv #	32
20) Methylene Chloride	2.065	84	14121	0.731	ppbv	97
21) Allyl Chloride	2.098	41	10529	0.586	ppbv	95
22) trans-1,2-Dichloroethene	2.036	96	14558	0.637	ppbv	99
23) Vinyl Acetate	2.467	43	8780	0.454	ppbv #	97
24) 1,1-Dichloroethane	2.412	63	23667	0.659	ppbv	97
25) Ethyl Acetate	4.988	43	24326m	0.548	ppbv	
26) Hexane	2.829	57	23980	0.558	ppbv	97
27) Carbon Disulfide	2.153	76	24206	0.547	ppbv #	22
28) Methyl tert-Butyl Ether	2.444	73	18829	0.583	ppbv	94
29) Chloroform	2.852	83	34782	0.528	ppbv	93
30) Cyclohexane	3.862	84	24872	0.515	ppbv	95
31) cis-1,2-Dichloroethene	2.036	61	20125	0.644	ppbv	99
32) 1,1,1-Trichloroethane	3.376	97	32685	0.505	ppbv	99
34) 2-Butanone	2.560	43	25565	0.534	ppbv	96
35) Carbon Tetrachloride	3.771	117	31675	0.497	ppbv	98
36) Benzene	3.661	78	58916	0.548	ppbv	97
37) 1,2-Dichloroethane	3.221	62	20520	0.528	ppbv	97
38) Trichloroethene	4.554	130	29194	0.523	ppbv	97
39) 1,2-Dichloropropane	4.321	63	18211	0.531	ppbv	99
40) 1,4-Dioxane	4.612	88	11114	0.537	ppbv #	58
41) Tetrahydrofuran	3.065	42	15225	0.527	ppbv	96
42) Bromodichloromethane	4.496	83	29106	0.464	ppbv	98
43) Methyl Methacrylate	4.891	69	19772	0.510	ppbv	97
44) 2,2,4-Trimethylpentane	4.651	57	79892	0.534	ppbv	100
45) t-1,3-Dichloropropene	5.613	75	23636	0.471	ppbv	91

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46) cis-1,3-Dichloropropene	6.425	75	17868	0.472	ppbv	97
47) 1,1,2-Trichloroethane	6.593	97	23497	0.515	ppbv	97
48) Dibromochloromethane	7.396	129	27259	0.415	ppbv	100
49) Bromoform	9.493	173	24103	0.383	ppbv	99
50) 4-Methyl-2-Pentanone	5.774	43	35525	0.517	ppbv	100
51) 2-Hexanone	7.454	43	28292	0.501	ppbv #	98
52) Tetrachloroethene	8.231	164	29113	0.511	ppbv	87
53) Toluene	6.943	91	70171	0.531	ppbv	98
54) 1,2-Dibromoethane	7.658	107	31196	0.500	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.937	131	27233	0.483	ppbv #	1
57) Chlorobenzene	8.930	112	59124	0.536	ppbv	99
58) Ethyl Benzene	9.364	91	85671	0.528	ppbv	97
59) m/p-Xylene	9.561	91	130161m	1.046	ppbv	
60) o-Xylene	9.972	91	64066	0.519	ppbv	99
61) Styrene	9.878	104	33042	0.485	ppbv	99
62) Isopropylbenzene	10.548	105	110796	0.544	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.972	83	40231	0.504	ppbv	99
64) n-propylbenzene	10.998	120	30702	0.512	ppbv	85
65) tert-Butylbenzene	11.539	119	101081	0.524	ppbv	99
66) Benzyl Chloride	10.911	91	74421	0.538	ppbv	97
67) sec-Butylbenzene	11.778	105	133644	0.535	ppbv	97
69) p-Isopropyltoluene	11.934	119	110129	0.511	ppbv	97
70) n-Butylbenzene	12.293	91	91236	0.510	ppbv	97
71) 2-Chlorotoluene	10.911	91	74421	0.538	ppbv	97
72) 4-Ethyltoluene	11.134	105	83994	0.527	ppbv	98
73) 1,3,5-Trimethylbenzene	11.212	105	65405	0.508	ppbv	95
74) 1,2,4-Trimethylbenzene	11.545	105	70433	0.503	ppbv #	93
75) 1,3-Dichlorobenzene	11.617	146	59205	0.529	ppbv	99
76) 1,4-Dichlorobenzene	11.681	146	59766	0.541	ppbv	98
77) 1,2-Dichlorobenzene	11.956	146	56854	0.536	ppbv	98
78) Hexachloro-1,3-Butadiene	13.892	225	46404	0.533	ppbv	99
79) Naphthalene	13.523	128	61118	0.510	ppbv	98
80) Naphthalene,2-methyl-	14.471	142	15236	0.351	ppbv	98
81) 1,2,4-Trichlorobenzene	13.448	180	37208	0.493	ppbv	100

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

