

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101024\
 Data File : VL041655.D
 Acq On : 10 Oct 2024 23:19
 Operator : SY/MD
 Sample : P4368-13 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Oct 11 05:47:31 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	5.176	49	995572	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	2733141	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2414445	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1812357	10.197	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	= 102.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.706	85	16697m	0.116	ppbv	
3) Chlorodifluoromethane	2.652	51	12564	0.104	ppbv	98
4) Chloromethane	2.790	50	7313	0.110	ppbv	92
5) Vinyl Chloride	2.896	62	5666m	0.099	ppbv	
6) Bromomethane	3.099	94	2860m	0.100	ppbv	
7) Chloroethane	3.179	64	2604m	0.116	ppbv	
8) Dichlorotetrafluoroethane	2.832	85	16399	0.109	ppbv	92
9) Propene	2.674	41	6384m	0.125	ppbv	
10) Heptane	7.568	43	6479m	0.054	ppbv	
11) Trichlorofluoromethane	3.542	101	15080m	0.099	ppbv	
12) 1,1,2-Trichlorotrifluo...	4.044	101	10664m	0.096	ppbv	
13) Ethanol	3.240	45	594m	0.155	ppbv	
14) Bromoethene	3.346	108	3992m	0.095	ppbv	
15) Acetone	3.475	43	23683	0.189	ppbv #	88
16) 1,3-Butadiene	2.967	39	7710m	0.127	ppbv	
17) tert-Butyl alcohol	3.896	59	9715m	0.088	ppbv	
18) 1,1-Dichloroethene	3.861	96	4721	0.101	ppbv #	56
19) Isopropyl Alcohol	3.590	45	6715m	0.105	ppbv	
20) Methylene Chloride	3.912	84	9195	0.196	ppbv #	83
21) Allyl Chloride	3.979	41	7209m	0.100	ppbv	
22) trans-1,2-Dichloroethene	4.426	96	4788m	0.102	ppbv	
23) Vinyl Acetate	4.629	43	9284m	0.135	ppbv	
24) 1,1-Dichloroethane	4.549	63	10009m	0.097	ppbv	
25) Ethyl Acetate	5.205	43	17958m	0.080	ppbv	
26) Hexane	5.195	57	7254m	0.078	ppbv	
27) Carbon Disulfide	4.105	76	8095m	0.081	ppbv	
28) Methyl tert-Butyl Ether	4.587	73	4836m	0.084	ppbv	
29) Chloroform	5.253	83	14873m	0.097	ppbv	
30) Cyclohexane	6.651	84	16901m	0.234	ppbv	
31) cis-1,2-Dichloroethene	5.060	61	6734	0.076	ppbv	92
32) 1,1,1-Trichloroethane	5.992	97	13136m	0.096	ppbv	
34) 2-Butanone	4.793	43	13134m	0.101	ppbv	
35) Carbon Tetrachloride	6.475	117	11425	0.085	ppbv	88
36) Benzene	6.352	78	12888m	0.068	ppbv	
37) 1,2-Dichloroethane	5.793	62	9760m	0.089	ppbv	
38) Trichloroethene	7.269	130	7916m	0.081	ppbv	
39) 1,2-Dichloropropane	7.057	63	7803m	0.101	ppbv	
40) 1,4-Dioxane	7.330	88	1501m	0.052	ppbv	
41) Tetrahydrofuran	5.587	42	4718m	0.066	ppbv	
42) Bromodichloromethane	7.230	83	12347m	0.081	ppbv	
43) Methyl Methacrylate	7.484	69	3130m	0.046	ppbv	
44) 2,2,4-Trimethylpentane	7.307	57	17589m	0.054	ppbv	
45) t-1,3-Dichloropropene	8.696	75	2493m	0.046	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101024\
 Data File : VL041655.D
 Acq On : 10 Oct 2024 23:19
 Operator : SY/MD
 Sample : P4368-13 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Oct 11 05:47:31 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)
46) cis-1,3-Dichloropropene	8.127	75	4481m	0.056	ppbv	
47) 1,1,2-Trichloroethane	8.880	97	7247m	0.088	ppbv	
48) Dibromochloromethane	9.700	129	7592m	0.061	ppbv	
49) Bromoform	12.394	173	5506m	0.052	ppbv	
50) 4-Methyl-2-Pentanone	8.208	43	10970m	0.055	ppbv	
51) 2-Hexanone	9.587	43	6709m	0.044	ppbv	
52) Tetrachloroethene	10.597	164	5086m	0.074	ppbv	
53) Toluene	9.195	91	9345m	0.046	ppbv	
54) 1,2-Dibromoethane	9.999	107	6893m	0.068	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.490	131	9122m	0.097	ppbv	
57) Chlorobenzene	11.510	112	16745m	0.096	ppbv	
58) Ethyl Benzene	12.359	91	20858m	0.081	ppbv	
59) m/p-Xylene	12.359	91	19984m	0.087	ppbv	
60) o-Xylene	13.047	91	9702m	0.044	ppbv	
61) Styrene	12.886	104	3843m	0.042	ppbv	
62) Isopropylbenzene	14.018	105	20048m	0.060	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.040	83	10087m	0.089	ppbv	
64) n-propylbenzene	14.902	120	3222m	0.037	ppbv	
65) tert-Butylbenzene	16.085	119	13134m	0.043	ppbv	
66) Benzyl Chloride	16.326	91	1878m	0.118	ppbv	
67) sec-Butylbenzene	16.622	105	20232m	0.048	ppbv	
69) p-Isopropyltoluene	16.995	119	13701m	0.040	ppbv	
70) n-Butylbenzene	17.876	91	13684m	0.038	ppbv	
71) 2-Chlorotoluene	14.793	91	13190m	0.054	ppbv	
72) 4-Ethyltoluene	15.188	105	10556m	0.041	ppbv	
73) 1,3,5-Trimethylbenzene	15.346	105	9623m	0.042	ppbv	
74) 1,2,4-Trimethylbenzene	16.098	105	10674m	0.040	ppbv	
75) 1,3-Dichlorobenzene	16.326	146	10866m	0.065	ppbv	
76) 1,4-Dichlorobenzene	16.465	146	11363m	0.071	ppbv	
77) 1,2-Dichlorobenzene	17.140	146	9566m	0.058	ppbv	
78) Hexachloro-1,3-Butadiene	22.612	225	11927m	0.088	ppbv	
81) 1,2,4-Trichlorobenzene	21.133	180	3907m	0.031	ppbv	

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

