

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121124\
 Data File : VL041733.D
 Acq On : 11 Dec 2024 22:05
 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: Dec 12 06:02:12 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	2.787	49	259412	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.958	114	1278517	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	1132617	10.000	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.380	95	738597	9.920	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	6919	0.152	ppbv	93
3) Chlorodifluoromethane	1.476	51	3922m	0.111	ppbv	
4) Chloromethane	1.534	50	2141	0.177	ppbv	99
5) Vinyl Chloride	1.580	62	1973	0.133	ppbv	99
6) Bromomethane	1.667	94	1828	0.188	ppbv	86
7) Chloroethane	1.706	64	1063	0.165	ppbv	98
8) Dichlorotetrafluoroethane	1.554	85	6228	0.168	ppbv	93
9) Propene	1.482	41	2391	0.159	ppbv #	80
10) Heptane	4.978	43	4892m	0.118	ppbv	
11) Trichlorofluoromethane	1.877	101	7386	0.141	ppbv	90
12) 1,1,2-Trichlorotrifluo...	2.140	101	6822	0.145	ppbv	99
13) Ethanol	1.719	45	700	0.562	ppbv	89
14) Bromoethene	1.783	108	2654	0.153	ppbv #	88
15) Acetone	1.835	43	9105	0.304	ppbv #	81
16) 1,3-Butadiene	1.609	39	1776	0.177	ppbv	89
17) tert-Butyl alcohol	2.039	59	6077	0.140	ppbv #	69
18) 1,1-Dichloroethene	2.719	96	3840	0.109	ppbv	92
19) Isopropyl Alcohol	1.884	45	17566	0.617	ppbv #	30
20) Methylene Chloride	2.062	84	5229	0.288	ppbv #	95
21) Allyl Chloride	2.097	41	2172	0.129	ppbv	87
22) trans-1,2-Dichloroethene	2.036	96	2840	0.132	ppbv	87
23) Vinyl Acetate	2.460	43	1334m	0.074	ppbv	
24) 1,1-Dichloroethane	2.408	63	4720	0.140	ppbv	97
25) Ethyl Acetate	4.978	43	4892m	0.118	ppbv	
26) Hexane	2.829	57	4375	0.108	ppbv	91
27) Carbon Disulfide	2.152	76	4453	0.107	ppbv #	63
28) Methyl tert-Butyl Ether	2.441	73	3830	0.126	ppbv #	66
29) Chloroform	2.848	83	6977	0.113	ppbv	97
30) Cyclohexane	3.858	84	4724	0.104	ppbv #	88
31) cis-1,2-Dichloroethene	2.036	61	3905	0.133	ppbv	91
32) 1,1,1-Trichloroethane	3.369	97	6067	0.100	ppbv	96
34) 2-Butanone	2.560	43	5536	0.124	ppbv	98
35) Carbon Tetrachloride	3.761	117	5414m	0.091	ppbv	
36) Benzene	3.661	78	12151	0.121	ppbv	94
37) 1,2-Dichloroethane	3.217	62	3773	0.104	ppbv #	94
38) Trichloroethene	4.554	130	5362m	0.103	ppbv	
39) 1,2-Dichloropropane	4.318	63	3677m	0.115	ppbv	
40) 1,4-Dioxane	4.622	88	2202	0.114	ppbv #	23
41) Tetrahydrofuran	3.065	42	3476m	0.129	ppbv	
42) Bromodichloromethane	4.489	83	5391	0.092	ppbv	88
43) Methyl Methacrylate	4.881	69	3699m	0.102	ppbv	
44) 2,2,4-Trimethylpentane	4.641	57	15220	0.109	ppbv #	94
45) t-1,3-Dichloropropene	5.603	75	3729m	0.080	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121124\
 Data File : VL041733.D
 Acq On : 11 Dec 2024 22:05
 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: Dec 12 06:02:12 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)
46) cis-1,3-Dichloropropene	6.422	75	3077m	0.087	ppbv	
47) 1,1,2-Trichloroethane	6.580	97	4415m	0.104	ppbv	
48) Dibromochloromethane	7.386	129	4268m	0.069	ppbv	
49) Bromoform	9.487	173	3889	0.066	ppbv	94
50) 4-Methyl-2-Pentanone	5.774	43	7366m	0.115	ppbv	
51) 2-Hexanone	7.454	43	5149	0.098	ppbv #	95
52) Tetrachloroethene	8.231	164	5657	0.106	ppbv	91
53) Toluene	6.939	91	13169	0.107	ppbv	97
54) 1,2-Dibromoethane	7.655	107	5515	0.095	ppbv	93
56) 1,1,1,2-Tetrachloroethane	8.930	131	4649	0.088	ppbv #	1
57) Chlorobenzene	8.924	112	11160	0.108	ppbv	98
58) Ethyl Benzene	9.360	91	15439	0.102	ppbv	94
59) m/p-Xylene	9.558	91	22869m	0.197	ppbv	
60) o-Xylene	9.969	91	11482	0.100	ppbv	100
61) Styrene	9.875	104	5727	0.090	ppbv	98
62) Isopropylbenzene	10.545	105	19992	0.105	ppbv	95
63) 1,1,2,2-Tetrachloroethane	9.966	83	7245	0.097	ppbv	99
64) n-propylbenzene	10.995	120	5613	0.100	ppbv	98
65) tert-Butylbenzene	11.539	119	18022	0.100	ppbv	97
66) Benzyl Chloride	10.908	91	12771	0.099	ppbv	98
67) sec-Butylbenzene	11.772	105	21934	0.094	ppbv	98
69) p-Isopropyltoluene	11.930	119	17890	0.089	ppbv	95
70) n-Butylbenzene	12.286	91	14314	0.086	ppbv	100
71) 2-Chlorotoluene	10.908	91	12771	0.099	ppbv	98
72) 4-Ethyltoluene	11.131	105	13766	0.093	ppbv	98
73) 1,3,5-Trimethylbenzene	11.209	105	11251	0.094	ppbv	94
74) 1,2,4-Trimethylbenzene	11.545	105	11838	0.091	ppbv #	93
75) 1,3-Dichlorobenzene	11.613	146	10820	0.104	ppbv	97
76) 1,4-Dichlorobenzene	11.678	146	10440	0.101	ppbv	98
77) 1,2-Dichlorobenzene	11.953	146	10536	0.106	ppbv	100
78) Hexachloro-1,3-Butadiene	13.889	225	8527	0.105	ppbv	99
79) Naphthalene	13.523	128	9412	0.084	ppbv	98
80) Naphthalene,2-methyl-	14.468	142	1801	0.044	ppbv	88
81) 1,2,4-Trichlorobenzene	13.448	180	7021	0.100	ppbv	98

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

