

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121124\
 Data File : VL041721.D
 Acq On : 11 Dec 2024 15:14
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

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

Quant Time: Dec 12 13:16:02 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121124AIR.M

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

QLast Update : Thu Dec 12 13:14:06 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.794	49	285565	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	1424393	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	1275972	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.393 95 834468 9.948 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	50305	1.004	ppbv	95
3) Chlorodifluoromethane	1.476	51	40893	1.052	ppbv	97
4) Chloromethane	1.535	50	13261	0.997	ppbv	96
5) Vinyl Chloride	1.583	62	15024	0.922	ppbv	99
6) Bromomethane	1.670	94	10144	0.949	ppbv	95
7) Chloroethane	1.706	64	6852	0.967	ppbv	96
8) Dichlorotetrafluoroethane	1.557	85	40247	0.985	ppbv	99
9) Propene	1.486	41	17431	1.052	ppbv	98
10) Heptane	4.994	43	47259	1.031	ppbv	99
11) Trichlorofluoromethane	1.881	101	56973	0.987	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.143	101	51818	0.997	ppbv	100
13) Ethanol	1.725	45	1716	1.252	ppbv	90
14) Bromoethene	1.784	108	18586	0.976	ppbv #	98
15) Acetone	1.839	43	36363	1.103	ppbv	97
16) 1,3-Butadiene	1.612	39	11654	1.054	ppbv	93
17) tert-Butyl alcohol	2.046	59	48665	1.018	ppbv	97
18) 1,1-Dichloroethene	2.039	96	24104	1.003	ppbv	98
19) Isopropyl Alcohol	1.891	45	36746	1.173	ppbv #	29
20) Methylene Chloride	2.065	84	19720	0.987	ppbv	98
21) Allyl Chloride	2.101	41	18501	0.997	ppbv	98
22) trans-1,2-Dichloroethene	2.347	96	26219	0.953	ppbv	94
23) Vinyl Acetate	2.467	43	21334	1.069	ppbv #	95
24) 1,1-Dichloroethane	2.415	63	36403	0.980	ppbv	99
25) Ethyl Acetate	4.994	43	47259	1.031	ppbv #	100
26) Hexane	2.832	57	45964	1.034	ppbv	96
27) Carbon Disulfide	2.156	76	42483	0.928	ppbv	96
28) Methyl tert-Butyl Ether	2.447	73	33377	1.001	ppbv	96
29) Chloroform	2.855	83	70511	1.036	ppbv	98
30) Cyclohexane	3.868	84	50673	1.015	ppbv	98
31) cis-1,2-Dichloroethene	2.729	61	42330	1.028	ppbv	97
32) 1,1,1-Trichloroethane	3.379	97	67396	1.007	ppbv	99
34) 2-Butanone	2.564	43	53437	1.071	ppbv	100
35) Carbon Tetrachloride	3.774	117	67711	1.021	ppbv	97
36) Benzene	3.667	78	116586	1.041	ppbv	98
37) 1,2-Dichloroethane	3.227	62	40996	1.013	ppbv	99
38) Trichloroethene	4.561	130	59358	1.022	ppbv	98
39) 1,2-Dichloropropane	4.328	63	36470	1.022	ppbv	98
40) 1,4-Dioxane	4.613	88	22757	1.057	ppbv #	53
41) Tetrahydrofuran	3.072	42	30134	1.003	ppbv	97
42) Bromodichloromethane	4.506	83	63873	0.978	ppbv	99
43) Methyl Methacrylate	4.901	69	40551	1.005	ppbv	99
44) 2,2,4-Trimethylpentane	4.655	57	163463	1.049	ppbv	98
45) t-1,3-Dichloropropene	6.432	75	36886m	0.934	ppbv	

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121124\
 Data File : VL041721.D
 Acq On : 11 Dec 2024 15:14
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

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

Quant Time: Dec 12 13:16:02 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121124AIR.M

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

QLast Update : Thu Dec 12 13:14:06 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	51435	0.984	ppbv	99
47) 1,1,2-Trichloroethane	6.603	97	47804	1.006	ppbv	97
48) Dibromochloromethane	7.406	129	61462	0.898	ppbv	100
49) Bromoform	9.500	173	56478	0.862	ppbv	99
50) 4-Methyl-2-Pentanone	5.778	43	72003	1.007	ppbv	98
51) 2-Hexanone	7.461	43	59779	1.016	ppbv #	100
52) Tetrachloroethene	8.241	164	58434	0.985	ppbv	96
53) Toluene	6.953	91	140542	1.021	ppbv	99
54) 1,2-Dibromoethane	7.671	107	66302	1.021	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.943	131	58345	0.984	ppbv #	1
57) Chlorobenzene	8.940	112	121568	1.047	ppbv	98
58) Ethyl Benzene	9.370	91	174269	1.021	ppbv	95
59) m/p-Xylene	9.568	91	271769m	2.077	ppbv	
60) o-Xylene	9.979	91	134107	1.034	ppbv	97
61) Styrene	9.888	104	69858	0.976	ppbv	100
62) Isopropylbenzene	10.555	105	223680	1.045	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.979	83	85775	1.022	ppbv	100
64) n-propylbenzene	11.002	120	64153	1.018	ppbv	91
65) tert-Butylbenzene	11.545	119	210770	1.039	ppbv	99
66) Benzyl Chloride	10.914	91	150873	1.037	ppbv	99
67) sec-Butylbenzene	11.782	105	278739	1.061	ppbv	97
69) p-Isopropyltoluene	11.940	119	235291	1.039	ppbv	97
70) n-Butylbenzene	12.296	91	194669	1.036	ppbv	97
71) 2-Chlorotoluene	10.914	91	150873	1.037	ppbv	98
72) 4-Ethyltoluene	11.141	105	172273	1.028	ppbv	98
73) 1,3,5-Trimethylbenzene	11.219	105	136839	1.010	ppbv	99
74) 1,2,4-Trimethylbenzene	11.549	105	145671	0.989	ppbv #	84
75) 1,3-Dichlorobenzene	11.620	146	121649	1.033	ppbv	99
76) 1,4-Dichlorobenzene	11.685	146	119170	1.025	ppbv	100
77) 1,2-Dichlorobenzene	11.963	146	114431	1.026	ppbv	99
78) Hexachloro-1,3-Butadiene	13.895	225	97895	1.068	ppbv	98
79) Naphthalene	13.530	128	127810	1.014	ppbv	98
80) Naphthalene,2-methyl-	14.475	142	21814	0.478	ppbv	97
81) 1,2,4-Trichlorobenzene	13.455	180	77622	0.978	ppbv	99

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

