

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121124\
 Data File : VL041726.D
 Acq On : 11 Dec 2024 17:54
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Dec 12 05:04:17 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 04:57:37 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	2.793	49	269006	10.000	ppbv	# 0.00
33) 1,4-Difluorobenzene	3.968	114	1347076	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	1194756	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.390 95 787013 10.020 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	134762	2.854	ppbv	99
3) Chlorodifluoromethane	1.476	51	75854	2.071	ppbv	99
4) Chloromethane	1.534	50	36920	2.946	ppbv	99
5) Vinyl Chloride	1.583	62	43367	2.826	ppbv	98
6) Bromomethane	1.670	94	29959	2.977	ppbv	100
7) Chloroethane	1.709	64	18630	2.790	ppbv	94
8) Dichlorotetrafluoroethane	1.557	85	130051	3.378	ppbv	95
9) Propene	1.486	41	32870	2.110	ppbv	98
10) Heptane	4.997	43	86763	2.010	ppbv	99
11) Trichlorofluoromethane	1.881	101	147237	2.708	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.146	101	128136	2.618	ppbv	96
13) Ethanol	1.725	45	3315	2.567	ppbv	98
14) Bromoethene	1.787	108	51907	2.893	ppbv	98
15) Acetone	1.838	43	79671	2.565	ppbv	93
16) 1,3-Butadiene	1.612	39	28662	2.751	ppbv	100
17) tert-Butyl alcohol	2.042	59	107033	2.377	ppbv	100
18) 1,1-Dichloroethene	2.729	96	76202	2.945	ppbv	99
19) Isopropyl Alcohol	1.887	45	62520	2.119	ppbv	99
20) Methylene Chloride	2.065	84	47114	2.498	ppbv	99
21) Allyl Chloride	2.101	41	43121	2.466	ppbv	97
22) trans-1,2-Dichloroethene	2.039	96	57615	2.274	ppbv	93
23) Vinyl Acetate	2.466	43	35095	1.794	ppbv	96
24) 1,1-Dichloroethane	2.415	63	89407	2.556	ppbv	100
25) Ethyl Acetate	4.997	43	86763	2.010	ppbv #	96
26) Hexane	2.835	57	87180	2.082	ppbv	98
27) Carbon Disulfide	2.156	76	103465	2.400	ppbv	99
28) Methyl tert-Butyl Ether	2.444	73	72715	2.313	ppbv #	85
29) Chloroform	2.855	83	132440	2.067	ppbv	97
30) Cyclohexane	3.871	84	96522	2.305	ppbv	99
31) cis-1,2-Dichloroethene	2.039	61	76050	2.067	ppbv	93
32) 1,1,1-Trichloroethane	3.379	97	126716	2.011	ppbv	98
34) 2-Butanone	2.560	43	96249	2.041	ppbv	99
35) Carbon Tetrachloride	3.777	117	128273	2.043	ppbv	98
36) Benzene	3.667	78	217777	2.056	ppbv	99
37) 1,2-Dichloroethane	3.227	62	79119	2.068	ppbv	100
38) Trichloroethene	4.561	130	113622	2.062	ppbv	99
39) 1,2-Dichloropropane	4.327	63	69002	2.045	ppbv	100
40) 1,4-Dioxane	4.603	88	39991	1.964	ppbv #	88
41) Tetrahydrofuran	3.065	42	57679	2.029	ppbv	98
42) Bromodichloromethane	4.502	83	120984	1.959	ppbv	98
43) Methyl Methacrylate	4.894	69	74865	1.962	ppbv	100
44) 2,2,4-Trimethylpentane	4.658	57	300322	2.037	ppbv	100
45) t-1,3-Dichloropropene	5.616	75	95584	1.935	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	6.431	75	67982	1.825	ppbv	96
47) 1,1,2-Trichloroethane	6.600	97	90206	2.007	ppbv	98
48) Dibromochloromethane	7.402	129	118747	1.834	ppbv	98
49) Bromoform	9.500	173	113638	1.834	ppbv	98
50) 4-Methyl-2-Pentanone	5.774	43	135252	1.999	ppbv	100
51) 2-Hexanone	7.457	43	112483	2.078	ppbv #	99
52) Tetrachloroethene	8.241	164	111296	1.984	ppbv	98
53) Toluene	6.952	91	264693	2.034	ppbv	99
54) 1,2-Dibromoethane	7.668	107	124833	2.032	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.940	131	112810	2.031	ppbv	94
57) Chlorobenzene	8.936	112	227568	2.093	ppbv	98
58) Ethyl Benzene	9.370	91	328990	2.058	ppbv	96
59) m/p-Xylene	9.564	91	508311m	4.125	ppbv	
60) o-Xylene	9.979	91	254307	2.094	ppbv	98
61) Styrene	9.885	104	133260	1.987	ppbv	99
62) Isopropylbenzene	10.555	105	424796	2.120	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.979	83	163193	2.076	ppbv	99
64) n-propylbenzene	11.001	120	122425	2.075	ppbv	90
65) tert-Butylbenzene	11.545	119	400825	2.110	ppbv	99
66) Benzyl Chloride	10.914	91	283831	2.084	ppbv	98
67) sec-Butylbenzene	11.781	105	531361	2.161	ppbv	97
69) p-Isopropyltoluene	11.940	119	444689	2.097	ppbv	97
70) n-Butylbenzene	12.296	91	376482	2.139	ppbv	96
71) 2-Chlorotoluene	10.914	91	283831	2.084	ppbv	98
72) 4-Ethyltoluene	11.137	105	328204	2.092	ppbv	98
73) 1,3,5-Trimethylbenzene	11.218	105	258973	2.041	ppbv	99
74) 1,2,4-Trimethylbenzene	11.548	105	280390	2.033	ppbv #	90
75) 1,3-Dichlorobenzene	11.620	146	229186	2.079	ppbv	100
76) 1,4-Dichlorobenzene	11.684	146	226738	2.082	ppbv	100
77) 1,2-Dichlorobenzene	11.959	146	220310	2.110	ppbv	99
78) Hexachloro-1,3-Butadiene	13.895	225	187958	2.191	ppbv	100
79) Naphthalene	13.526	128	240042	2.033	ppbv	98
80) Naphthalene,2-methyl-	14.474	142	39678	0.929	ppbv	99
81) 1,2,4-Trichlorobenzene	13.455	180	145764	1.961	ppbv	100

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

