

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041754.D
 Acq On : 16 Dec 2024 14:34
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Dec 19 06:13:31 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M

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

QLast Update : Thu Dec 19 06:09:59 2024

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 12/20/2024
 Supervised By : Mahesh Dadoda 12/20/2024

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

Internal Standards						
1) Bromochloromethane	2.784	49	65928	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	178926	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	162267	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 132857 9.825 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.496	85	12706	1.083	ppbv	98
3) Chlorodifluoromethane	1.473	51	11187	1.041	ppbv	98
4) Chloromethane	1.531	50	4805	1.047	ppbv	99
5) Vinyl Chloride	1.580	62	4580	0.990	ppbv	98
6) Bromomethane	1.667	94	2394	1.097	ppbv	99
7) Chloroethane	1.703	64	1763	0.981	ppbv	95
8) Dichlorotetrafluoroethane	1.554	85	10938	1.042	ppbv	99
9) Propene	1.483	41	4840	1.039	ppbv	94
10) Heptane	4.972	43	12004	1.003	ppbv	93
11) Trichlorofluoromethane	1.874	101	12625	1.013	ppbv	94
12) 1,1,2-Trichlorotrifluo...	2.136	101	9915	1.046	ppbv	98
13) Ethanol	1.719	45	525m	1.355	ppbv	
14) Bromoethene	1.780	108	3148	0.984	ppbv #	86
15) Acetone	1.832	43	15060	1.174	ppbv	99
16) 1,3-Butadiene	1.609	39	5137	1.017	ppbv	95
17) tert-Butyl alcohol	2.039	59	13341	1.048	ppbv	96
18) 1,1-Dichloroethene	2.033	96	4139	1.042	ppbv	96
19) Isopropyl Alcohol	1.884	45	8703	1.131	ppbv	100
20) Methylene Chloride	2.059	84	3868	1.057	ppbv	92
21) Allyl Chloride	2.094	41	7425	1.067	ppbv	98
22) trans-1,2-Dichloroethene	2.337	96	4599	1.011	ppbv	96
23) Vinyl Acetate	2.460	43	5345	0.959	ppbv #	95
24) 1,1-Dichloroethane	2.408	63	9621	1.045	ppbv	98
25) Ethyl Acetate	2.836	43	25141	1.049	ppbv	99
26) Hexane	2.826	57	9250	1.021	ppbv	93
27) Carbon Disulfide	2.149	76	8152	0.999	ppbv #	19
28) Methyl tert-Butyl Ether	2.441	73	8539	1.162	ppbv	94
29) Chloroform	2.845	83	14384	1.042	ppbv	96
30) Cyclohexane	3.852	84	7824	1.015	ppbv	94
31) cis-1,2-Dichloroethene	2.719	61	10013	1.070	ppbv	96
32) 1,1,1-Trichloroethane	3.363	97	14415	1.049	ppbv	98
34) 2-Butanone	2.557	43	14673	1.019	ppbv	99
35) Carbon Tetrachloride	3.761	117	12808m	1.008	ppbv	
36) Benzene	3.651	78	19331	1.044	ppbv	97
37) 1,2-Dichloroethane	3.214	62	11490	0.998	ppbv #	94
38) Trichloroethene	4.551	130	7824m	1.004	ppbv	
39) 1,2-Dichloropropane	4.311	63	7068	1.056	ppbv	86
40) 1,4-Dioxane	4.596	88	3241	0.991	ppbv #	40
41) Tetrahydrofuran	3.062	42	8727	1.082	ppbv	97
42) Bromodichloromethane	4.489	83	13154	0.993	ppbv	100
43) Methyl Methacrylate	4.875	69	7044m	0.999	ppbv	
44) 2,2,4-Trimethylpentane	4.638	57	32361	1.024	ppbv	97
45) t-1,3-Dichloropropene	6.412	75	7027	0.963	ppbv	98

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Thu Dec 19 06:09:59 2024

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	8815m	0.952	ppbv	
47) 1,1,2-Trichloroethane	6.587	97	7189m	1.028	ppbv	
48) Dibromochloromethane	7.383	129	8817	0.924	ppbv	97
49) Bromoform	9.480	173	7073	0.905	ppbv	96
50) 4-Methyl-2-Pentanone	5.761	43	20212	1.031	ppbv	100
51) 2-Hexanone	7.441	43	16514	1.040	ppbv #	99
52) Tetrachloroethene	8.225	164	7067m	1.026	ppbv	
53) Toluene	6.930	91	21594	1.029	ppbv	100
54) 1,2-Dibromoethane	7.648	107	9758	1.013	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.924	131	8643	1.005	ppbv	93
57) Chlorobenzene	8.920	112	17500	1.054	ppbv	97
58) Ethyl Benzene	9.351	91	29762	1.019	ppbv	98
59) m/p-Xylene	9.529	91	47599m	2.026	ppbv	
60) o-Xylene	9.963	91	24210	1.028	ppbv	98
61) Styrene	9.869	104	9707	0.953	ppbv	100
62) Isopropylbenzene	10.539	105	36251	1.024	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	14752	1.001	ppbv	98
64) n-propylbenzene	10.985	120	9432	1.054	ppbv	91
65) tert-Butylbenzene	11.529	119	32887	1.030	ppbv	100
66) Benzyl Chloride	11.610	91	2518	0.894	ppbv	97
67) sec-Butylbenzene	11.765	105	45015	1.019	ppbv	98
69) p-Isopropyltoluene	11.924	119	36298	0.997	ppbv	98
70) n-Butylbenzene	12.280	91	35432	1.007	ppbv	98
71) 2-Chlorotoluene	10.901	91	27561	1.020	ppbv	97
72) 4-Ethyltoluene	11.125	105	26921	0.970	ppbv	98
73) 1,3,5-Trimethylbenzene	11.202	105	22360	0.969	ppbv	95
74) 1,2,4-Trimethylbenzene	11.536	105	24654	0.994	ppbv	98
75) 1,3-Dichlorobenzene	11.604	146	16476	1.042	ppbv	100
76) 1,4-Dichlorobenzene	11.668	146	15774	1.010	ppbv	98
77) 1,2-Dichlorobenzene	11.947	146	15866	1.043	ppbv	97
78) Hexachloro-1,3-Butadiene	13.882	225	12266	1.087	ppbv	97
79) Naphthalene	13.513	128	16971	0.982	ppbv	96
80) Naphthalene,2-methyl-	14.458	142	1504	0.281	ppbv #	90
81) 1,2,4-Trichlorobenzene	13.439	180	8973	0.950	ppbv	96

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

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