

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021425\
 Data File : VL042016.D
 Acq On : 14 Feb 2025 12:54
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Feb 15 01:19:20 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021425AIR.M

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

QLast Update : Sat Feb 15 01:17:03 2025

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 02/17/2025
 Supervised By : Mahesh Dadoda 02/17/2025

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

Internal Standards						
1) Bromochloromethane	2.777	49	95882	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.939	114	291851	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.865	117	265939	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	10.364	95	216186	9.855	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.492	85	33163	2.009	ppbv	99
3) Chlorodifluoromethane	1.470	51	35815	1.961	ppbv	97
4) Chloromethane	1.528	50	13109	2.044	ppbv #	87
5) Vinyl Chloride	1.573	62	12999	1.695	ppbv	93
6) Bromomethane	1.660	94	5638	1.896	ppbv	89
7) Chloroethane	1.699	64	4833	1.933	ppbv	96
8) Dichlorotetrafluoroethane	1.547	85	28149	1.939	ppbv	99
9) Propene	1.479	41	15336	1.943	ppbv	92
10) Heptane	4.952	43	43303m	1.992	ppbv	
11) Trichlorofluoromethane	1.871	101	33699	2.029	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.130	101	26675	2.059	ppbv	94
13) Ethanol	1.716	45	1776	1.859	ppbv	84
14) Bromoethene	1.774	108	9853	2.037	ppbv #	97
15) Acetone	1.829	43	31902	2.016	ppbv	97
16) 1,3-Butadiene	1.602	39	14472	1.928	ppbv	99
17) tert-Butyl alcohol	2.033	59	38403	1.961	ppbv	98
18) 1,1-Dichloroethene	2.026	96	12701	2.016	ppbv	90
19) Isopropyl Alcohol	1.881	45	17573m	1.969	ppbv	
20) Methylene Chloride	2.052	84	11236	1.886	ppbv	96
21) Allyl Chloride	2.088	41	23447	2.059	ppbv	94
22) trans-1,2-Dichloroethene	2.330	96	13948	2.076	ppbv	98
23) Vinyl Acetate	2.450	43	16940	1.977	ppbv #	93
24) 1,1-Dichloroethane	2.398	63	26419	1.937	ppbv	99
25) Ethyl Acetate	2.826	43	87471	2.014	ppbv	98
26) Hexane	2.813	57	34825	1.998	ppbv	98
27) Carbon Disulfide	2.143	76	33514	2.044	ppbv #	55
28) Methyl tert-Butyl Ether	2.431	73	20473	1.921	ppbv #	87
29) Chloroform	2.839	83	50609	2.005	ppbv	91
30) Cyclohexane	3.839	84	30917	2.025	ppbv	98
31) cis-1,2-Dichloroethene	2.709	61	34025	1.975	ppbv	92
32) 1,1,1-Trichloroethane	3.353	97	53097	1.896	ppbv	98
34) 2-Butanone	2.547	43	50795	2.023	ppbv	96
35) Carbon Tetrachloride	3.748	117	51796	1.864	ppbv	98
36) Benzene	3.641	78	71850	2.032	ppbv	95
37) 1,2-Dichloroethane	3.204	62	39494	1.962	ppbv	97
38) Trichloroethene	4.531	130	28764m	1.981	ppbv	
39) 1,2-Dichloropropane	4.292	63	23932	1.825	ppbv	98
40) 1,4-Dioxane	4.573	88	13016m	1.941	ppbv	
41) Tetrahydrofuran	3.046	42	28154	1.922	ppbv	98
42) Bromodichloromethane	4.473	83	54355m	1.993	ppbv	
43) Methyl Methacrylate	4.862	69	29831	1.877	ppbv	97
44) 2,2,4-Trimethylpentane	4.619	57	119979	1.999	ppbv	98
45) t-1,3-Dichloropropene	6.396	75	30442	1.998	ppbv	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.574	75	39932m	2.069	ppbv	
47) 1,1,2-Trichloroethane	6.561	97	27415m	2.010	ppbv	
48) Dibromochloromethane	7.367	129	45191	1.994	ppbv	99
49) Bromoform	9.464	173	37852	2.020	ppbv	99
50) 4-Methyl-2-Pentanone	5.739	43	80149m	2.054	ppbv	
51) 2-Hexanone	7.422	43	65982	2.063	ppbv #	99
52) Tetrachloroethene	8.208	164	23428	1.898	ppbv #	89
53) Toluene	6.907	91	84140	2.011	ppbv	98
54) 1,2-Dibromoethane	7.639	107	37468	1.969	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.907	131	36347	1.915	ppbv	96
57) Chlorobenzene	8.904	112	63525	2.031	ppbv	98
58) Ethyl Benzene	9.338	91	117160	2.013	ppbv	99
59) m/p-Xylene	9.535	91	186504m	4.065	ppbv	
60) o-Xylene	9.946	91	95782	2.066	ppbv	99
61) Styrene	9.852	104	44870	2.029	ppbv	98
62) Isopropylbenzene	10.526	105	145953	2.097	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.950	83	56061	1.874	ppbv	98
64) n-propylbenzene	10.979	120	34873	2.039	ppbv	97
65) tert-Butylbenzene	11.519	119	127460	2.100	ppbv	98
66) Benzyl Chloride	11.600	91	12799	2.091	ppbv	99
67) sec-Butylbenzene	11.756	105	177152	2.078	ppbv	99
69) p-Isopropyltoluene	11.914	119	146974	2.106	ppbv	99
70) n-Butylbenzene	12.270	91	145476	2.117	ppbv	100
71) 2-Chlorotoluene	10.888	91	107212	2.045	ppbv	100
72) 4-Ethyltoluene	11.111	105	115331	2.120	ppbv	99
73) 1,3,5-Trimethylbenzene	11.192	105	94699	2.021	ppbv	97
74) 1,2,4-Trimethylbenzene	11.523	105	106415	2.116	ppbv #	87
75) 1,3-Dichlorobenzene	11.594	146	56520	2.088	ppbv	98
76) 1,4-Dichlorobenzene	11.662	146	55589	2.106	ppbv	98
77) 1,2-Dichlorobenzene	11.934	146	53985	2.086	ppbv	99
78) Hexachloro-1,3-Butadiene	13.872	225	47301	2.209	ppbv	97
79) Naphthalene	13.503	128	120541	2.437	ppbv	96
80) Naphthalene,2-methyl-	14.448	142	66327	2.950	ppbv	99
81) 1,2,4-Trichlorobenzene	13.429	180	46544	2.315	ppbv	96

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

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Sat Feb 15 01:17:03 2025
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