

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121124\
 Data File : VL041722.D
 Acq On : 11 Dec 2024 15:46
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Dec 12 13:16:34 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 13:14:06 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	278009	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	1393681	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	1236387	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.390 95 807853 9.939 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	23630	0.484	ppbv	97
3) Chlorodifluoromethane	1.476	51	20179	0.533	ppbv	98
4) Chloromethane	1.534	50	6397	0.494	ppbv	98
5) Vinyl Chloride	1.583	62	7601	0.479	ppbv	99
6) Bromomethane	1.670	94	5068	0.487	ppbv	94
7) Chloroethane	1.706	64	3557	0.516	ppbv	94
8) Dichlorotetrafluoroethane	1.554	85	19977	0.502	ppbv	99
9) Propene	1.483	41	9018m	0.559	ppbv	
10) Heptane	4.991	43	22950	0.514	ppbv	98
11) Trichlorofluoromethane	1.881	101	28015	0.499	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	25373	0.502	ppbv	99
13) Ethanol	1.722	45	1184	0.887	ppbv	85
14) Bromoethene	1.784	108	8449	0.456	ppbv #	78
15) Acetone	1.839	43	19921	0.621	ppbv	90
16) 1,3-Butadiene	1.612	39	5561	0.516	ppbv	99
17) tert-Butyl alcohol	2.046	59	23823	0.512	ppbv #	91
18) 1,1-Dichloroethene	2.036	96	11212	0.479	ppbv	91
19) Isopropyl Alcohol	1.890	45	26854	0.881	ppbv #	30
20) Methylene Chloride	2.065	84	11215	0.577	ppbv	97
21) Allyl Chloride	2.098	41	8560	0.474	ppbv	99
22) trans-1,2-Dichloroethene	2.344	96	13353	0.499	ppbv	96
23) Vinyl Acetate	2.467	43	9495	0.489	ppbv #	95
24) 1,1-Dichloroethane	2.412	63	17862	0.494	ppbv	99
25) Ethyl Acetate	4.991	43	22950	0.514	ppbv #	97
26) Hexane	2.829	57	22465	0.519	ppbv	96
27) Carbon Disulfide	2.153	76	19123	0.429	ppbv #	81
28) Methyl tert-Butyl Ether	2.447	73	17373	0.535	ppbv #	90
29) Chloroform	2.855	83	34490	0.521	ppbv	93
30) Cyclohexane	3.862	84	25108m	0.516	ppbv	
31) cis-1,2-Dichloroethene	2.725	61	20548	0.512	ppbv	98
32) 1,1,1-Trichloroethane	3.373	97	31733	0.487	ppbv	99
34) 2-Butanone	2.564	43	25869	0.530	ppbv	99
35) Carbon Tetrachloride	3.771	117	31260	0.482	ppbv	99
36) Benzene	3.664	78	57149	0.522	ppbv	99
37) 1,2-Dichloroethane	3.227	62	20338	0.514	ppbv	98
38) Trichloroethene	4.561	130	28565	0.503	ppbv	95
39) 1,2-Dichloropropane	4.324	63	17507	0.501	ppbv	99
40) 1,4-Dioxane	4.612	88	10665	0.506	ppbv #	48
41) Tetrahydrofuran	3.069	42	15433	0.525	ppbv	99
42) Bromodichloromethane	4.499	83	29121	0.456	ppbv	96
43) Methyl Methacrylate	4.897	69	19050	0.483	ppbv	99
44) 2,2,4-Trimethylpentane	4.648	57	78299	0.513	ppbv	98
45) t-1,3-Dichloropropene	6.435	75	16759m	0.434	ppbv	

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.616	75	23194	0.454	ppbv	97
47) 1,1,2-Trichloroethane	6.596	97	23111	0.497	ppbv	96
48) Dibromochloromethane	7.406	129	26891	0.401	ppbv	100
49) Bromoform	9.496	173	23980	0.374	ppbv	100
50) 4-Methyl-2-Pentanone	5.778	43	34606m	0.494	ppbv	
51) 2-Hexanone	7.461	43	28421	0.494	ppbv #	98
52) Tetrachloroethene	8.237	164	28674	0.494	ppbv	99
53) Toluene	6.946	91	66813	0.496	ppbv	99
54) 1,2-Dibromoethane	7.668	107	31433	0.495	ppbv	96
56) 1,1,1,2-Tetrachloroethane	8.940	131	26669	0.464	ppbv #	1
57) Chlorobenzene	8.937	112	57345	0.510	ppbv	97
58) Ethyl Benzene	9.367	91	83518	0.505	ppbv	96
59) m/p-Xylene	9.564	91	126994m	1.002	ppbv	
60) o-Xylene	9.976	91	62926	0.501	ppbv	98
61) Styrene	9.882	104	31493	0.454	ppbv	99
62) Isopropylbenzene	10.552	105	105547	0.509	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.979	83	40492	0.498	ppbv	98
64) n-propylbenzene	11.002	120	29407	0.482	ppbv	87
65) tert-Butylbenzene	11.542	119	99795	0.508	ppbv	97
66) Benzyl Chloride	10.911	91	71202	0.505	ppbv	98
67) sec-Butylbenzene	11.778	105	129227	0.508	ppbv	97
69) p-Isopropyltoluene	11.937	119	108114	0.493	ppbv	96
70) n-Butylbenzene	12.293	91	88335	0.485	ppbv	97
71) 2-Chlorotoluene	10.911	91	71202	0.505	ppbv	97
72) 4-Ethyltoluene	11.137	105	78648	0.485	ppbv	98
73) 1,3,5-Trimethylbenzene	11.215	105	63182	0.481	ppbv	98
74) 1,2,4-Trimethylbenzene	11.549	105	68504	0.480	ppbv	97
75) 1,3-Dichlorobenzene	11.620	146	57437	0.503	ppbv	100
76) 1,4-Dichlorobenzene	11.684	146	55997	0.497	ppbv	98
77) 1,2-Dichlorobenzene	11.960	146	55271	0.512	ppbv	99
78) Hexachloro-1,3-Butadiene	13.895	225	45851	0.516	ppbv	98
79) Naphthalene	13.526	128	55806	0.457	ppbv	97
80) Naphthalene,2-methyl-	14.471	142	9136	0.207	ppbv	99
81) 1,2,4-Trichlorobenzene	13.452	180	36361	0.473	ppbv	99

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

