

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041769.D
 Acq On : 17 Dec 2024 07:59
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

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

Quant Time: Dec 20 03:24:15 2024

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

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

QLast Update : Thu Dec 19 07:32:09 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	59846	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	158335	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	141285	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 118706 10.082 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	113031	10.614	ppbv	97
3) Chlorodifluoromethane	1.476	51	102349	10.487	ppbv	99
4) Chloromethane	1.534	50	43426	10.423	ppbv	95
5) Vinyl Chloride	1.580	62	40373	9.618	ppbv	99
6) Bromomethane	1.670	94	19093	9.638	ppbv	96
7) Chloroethane	1.706	64	16527	10.135	ppbv	95
8) Dichlorotetrafluoroethane	1.554	85	97963	10.278	ppbv	98
9) Propene	1.486	41	38511	9.104	ppbv	100
10) Heptane	4.988	43	102564	9.439	ppbv	99
11) Trichlorofluoromethane	1.881	101	114660	10.137	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	85349	9.921	ppbv	99
13) Ethanol	1.722	45	2209	6.307	ppbv	88
14) Bromoethene	1.783	108	30168	10.387	ppbv	99
15) Acetone	1.835	43	93995	8.072	ppbv	99
16) 1,3-Butadiene	1.609	39	45951	10.022	ppbv	99
17) tert-Butyl alcohol	2.042	59	120737	10.452	ppbv	99
18) 1,1-Dichloroethene	2.036	96	37079	10.280	ppbv	95
19) Isopropyl Alcohol	1.887	45	51121	7.317	ppbv	96
20) Methylene Chloride	2.062	84	31968	9.628	ppbv	97
21) Allyl Chloride	2.097	41	64314	10.184	ppbv	98
22) trans-1,2-Dichloroethene	2.343	96	41333	10.011	ppbv	98
23) Vinyl Acetate	2.466	43	45571	8.429	ppbv	98
24) 1,1-Dichloroethane	2.411	63	84159	10.070	ppbv	99
25) Ethyl Acetate	2.839	43	213508	9.857	ppbv	100
26) Hexane	2.829	57	81005	9.854	ppbv	99
27) Carbon Disulfide	2.152	76	77530	10.466	ppbv	98
28) Methyl tert-Butyl Ether	2.444	73	70666	10.596	ppbv	98
29) Chloroform	2.852	83	129767	10.358	ppbv	96
30) Cyclohexane	3.861	84	69050	9.872	ppbv	98
31) cis-1,2-Dichloroethene	2.725	61	84535	9.952	ppbv	99
32) 1,1,1-Trichloroethane	3.373	97	133607	10.491	ppbv	99
34) 2-Butanone	2.560	43	125372	9.842	ppbv	100
35) Carbon Tetrachloride	3.768	117	132719	11.807	ppbv	98
36) Benzene	3.661	78	163404	9.977	ppbv	98
37) 1,2-Dichloroethane	3.221	62	109008	10.696	ppbv	100
38) Trichloroethene	4.554	130	64661	9.301	ppbv	98
39) 1,2-Dichloropropane	4.321	63	58032	9.797	ppbv	96
40) 1,4-Dioxane	4.593	88	24851	8.588	ppbv #	99
41) Tetrahydrofuran	3.062	42	67503	9.459	ppbv	98
42) Bromodichloromethane	4.496	83	129509	11.046	ppbv	96
43) Methyl Methacrylate	4.891	69	63876m	10.236	ppbv	
44) 2,2,4-Trimethylpentane	4.648	57	279312	9.986	ppbv	99
45) t-1,3-Dichloropropene	6.425	75	63523	9.841	ppbv	93

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.609	75	81552	9.952	ppbv	99
47) 1,1,2-Trichloroethane	6.590	97	61551	9.948	ppbv	96
48) Dibromochloromethane	7.396	129	94664	11.205	ppbv	100
49) Bromoform	9.493	173	74960	10.839	ppbv	100
50) 4-Methyl-2-Pentanone	5.761	43	171768	9.904	ppbv	99
51) 2-Hexanone	7.448	43	134291	9.553	ppbv #	100
52) Tetrachloroethene	8.234	164	54561	8.950	ppbv	96
53) Toluene	6.939	91	179836	9.685	ppbv	100
54) 1,2-Dibromoethane	7.661	107	85711	10.054	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.933	131	78423	10.470	ppbv	98
57) Chlorobenzene	8.930	112	138401	9.573	ppbv	98
58) Ethyl Benzene	9.364	91	254090	9.989	ppbv	98
59) m/p-Xylene	9.558	91	408912m	19.994	ppbv	
60) o-Xylene	9.972	91	205223	10.006	ppbv	100
61) Styrene	9.878	104	92239	10.401	ppbv	97
62) Isopropylbenzene	10.545	105	304398	9.878	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	117095	9.121	ppbv	98
64) n-propylbenzene	10.995	120	75463	9.686	ppbv	99
65) tert-Butylbenzene	11.539	119	266613	9.590	ppbv	98
66) Benzyl Chloride	11.623	91	18237	7.447	ppbv	98
67) sec-Butylbenzene	11.775	105	366653	9.530	ppbv	99
69) p-Isopropyltoluene	11.934	119	293997	9.273	ppbv	99
70) n-Butylbenzene	12.286	91	278374	9.087	ppbv	100
71) 2-Chlorotoluene	10.908	91	220432	9.372	ppbv	100
72) 4-Ethyltoluene	11.131	105	235268	9.718	ppbv	99
73) 1,3,5-Trimethylbenzene	11.212	105	201807	10.048	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	212268	9.828	ppbv #	89
75) 1,3-Dichlorobenzene	11.613	146	119550	8.682	ppbv	99
76) 1,4-Dichlorobenzene	11.678	146	116827	8.588	ppbv	98
77) 1,2-Dichlorobenzene	11.953	146	113277	8.549	ppbv	99
78) Hexachloro-1,3-Butadiene	13.888	225	74247	7.557	ppbv	99
79) Naphthalene	13.520	128	156561	10.403	ppbv	98
80) Naphthalene,2-methyl-	14.465	142	64020	13.753	ppbv	97
81) 1,2,4-Trichlorobenzene	13.445	180	75494	9.180	ppbv	98

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

