

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121724\
 Data File : VL041771.D
 Acq On : 17 Dec 2024 09:49
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
 Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 21 01:02:10 2024

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 07:32:09 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	63883	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	170187	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	148019	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 126112 10.224 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	114858	10.104	ppbv	98
3) Chlorodifluoromethane	1.476	51	106911	10.262	ppbv	98
4) Chloromethane	1.534	50	46946	10.555	ppbv	99
5) Vinyl Chloride	1.583	62	44602	9.954	ppbv	98
6) Bromomethane	1.670	94	20846	9.858	ppbv	95
7) Chloroethane	1.706	64	18045	10.367	ppbv	93
8) Dichlorotetrafluoroethane	1.557	85	106150	10.433	ppbv	97
9) Propene	1.486	41	38601	8.548	ppbv	94
10) Heptane	4.991	43	112356	9.687	ppbv	99
11) Trichlorofluoromethane	1.881	101	124685	10.327	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	94656	10.308	ppbv	99
13) Ethanol	1.722	45	2836m	7.585	ppbv	
14) Bromoethene	1.784	108	32828	10.588	ppbv	97
15) Acetone	1.839	43	102064	8.211	ppbv	98
16) 1,3-Butadiene	1.612	39	48987	10.009	ppbv	98
17) tert-Butyl alcohol	2.043	59	124445	10.092	ppbv	99
18) 1,1-Dichloroethene	2.036	96	40376	10.487	ppbv	95
19) Isopropyl Alcohol	1.887	45	58910	7.899	ppbv	96
20) Methylene Chloride	2.065	84	34491	9.731	ppbv	97
21) Allyl Chloride	2.098	41	68576	10.173	ppbv	97
22) trans-1,2-Dichloroethene	2.344	96	44672	10.136	ppbv	99
23) Vinyl Acetate	2.467	43	50341	8.723	ppbv	98
24) 1,1-Dichloroethane	2.412	63	93890	10.525	ppbv	98
25) Ethyl Acetate	2.842	43	235645	10.191	ppbv	100
26) Hexane	2.829	57	87940	10.022	ppbv	97
27) Carbon Disulfide	2.153	76	81899	10.357	ppbv	97
28) Methyl tert-Butyl Ether	2.444	73	68145	9.573	ppbv	96
29) Chloroform	2.855	83	140153	10.481	ppbv	98
30) Cyclohexane	3.865	84	73570	9.854	ppbv	99
31) cis-1,2-Dichloroethene	2.726	61	91424	10.083	ppbv	97
32) 1,1,1-Trichloroethane	3.373	97	144527	10.632	ppbv	98
34) 2-Butanone	2.560	43	134057	9.791	ppbv	99
35) Carbon Tetrachloride	3.771	117	144928	11.996	ppbv	96
36) Benzene	3.664	78	176315	10.016	ppbv	99
37) 1,2-Dichloroethane	3.224	62	117688	10.744	ppbv	100
38) Trichloroethene	4.557	130	71903	9.622	ppbv	98
39) 1,2-Dichloropropane	4.324	63	63050	9.903	ppbv	99
40) 1,4-Dioxane	4.593	88	30339	9.754	ppbv #	95
41) Tetrahydrofuran	3.059	42	72983	9.515	ppbv	97
42) Bromodichloromethane	4.499	83	141557	11.233	ppbv	96
43) Methyl Methacrylate	4.891	69	70021	10.439	ppbv	97
44) 2,2,4-Trimethylpentane	4.651	57	299816	9.972	ppbv	98
45) t-1,3-Dichloropropene	6.425	75	72674	10.475	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	89477	10.159	ppbv	98
47) 1,1,2-Trichloroethane	6.593	97	67399	10.135	ppbv	96
48) Dibromochloromethane	7.399	129	105580	11.627	ppbv	99
49) Bromoform	9.493	173	84969	11.431	ppbv	99
50) 4-Methyl-2-Pentanone	5.768	43	187697	10.068	ppbv	99
51) 2-Hexanone	7.448	43	149660	9.904	ppbv #	100
52) Tetrachloroethene	8.234	164	62093	9.476	ppbv	95
53) Toluene	6.946	91	198382	9.940	ppbv	100
54) 1,2-Dibromoethane	7.665	107	96206	10.499	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.933	131	89730	11.435	ppbv	98
57) Chlorobenzene	8.930	112	156382	10.324	ppbv	100
58) Ethyl Benzene	9.364	91	284336	10.670	ppbv	96
59) m/p-Xylene	9.561	91	467116m	21.800	ppbv	
60) o-Xylene	9.972	91	232011	10.798	ppbv	100
61) Styrene	9.879	104	106367	11.448	ppbv	99
62) Isopropylbenzene	10.549	105	351803	10.897	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.972	83	141837	10.546	ppbv	99
64) n-propylbenzene	10.998	120	90334	11.067	ppbv	98
65) tert-Butylbenzene	11.539	119	313159	10.752	ppbv	97
66) Benzyl Chloride	11.623	91	24817	9.673	ppbv	99
67) sec-Butylbenzene	11.775	105	444694	11.033	ppbv	100
69) p-Isopropyltoluene	11.934	119	369199	11.115	ppbv	100
70) n-Butylbenzene	12.290	91	367292	11.444	ppbv	99
71) 2-Chlorotoluene	10.908	91	267997	10.876	ppbv	100
72) 4-Ethyltoluene	11.134	105	285054	11.239	ppbv	99
73) 1,3,5-Trimethylbenzene	11.212	105	243649	11.579	ppbv	98
74) 1,2,4-Trimethylbenzene	11.545	105	260072	11.493	ppbv	98
75) 1,3-Dichlorobenzene	11.617	146	152917	10.599	ppbv	98
76) 1,4-Dichlorobenzene	11.678	146	155829	10.934	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	144600	10.417	ppbv	99
78) Hexachloro-1,3-Butadiene	13.889	225	94068	9.139	ppbv	99
79) Naphthalene	13.520	128	203690	12.919	ppbv	98
80) Naphthalene,2-methyl-	14.465	142	99597	20.423	ppbv	99
81) 1,2,4-Trichlorobenzene	13.449	180	97162	11.277	ppbv	98

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

