

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112024\
 Data File : VL041699.D
 Acq On : 20 Nov 2024 13:15
 Operator : SY/MD
 Sample : VL1120ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABS01

Quant Time: Nov 21 05:09:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Nov 08 01:01:00 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 11/21/2024
 Supervised By : Mahesh Dadoda 11/21/2024

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

Internal Standards						
1) Bromochloromethane	5.208	49	1163679	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.671	114	3239097	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.484	117	3236609m	10.000	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.793 95 2329378 9.768 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.745	85	1526580	7.258	ppbv	99
3) Chlorodifluoromethane	2.687	51	1354532	8.934	ppbv	99
4) Chloromethane	2.829	50	744862	9.275	ppbv	96
5) Vinyl Chloride	2.935	62	719166	9.955	ppbv	100
6) Bromomethane	3.134	94	362376	9.456	ppbv	99
7) Chloroethane	3.211	64	242910	9.213	ppbv	99
8) Dichlorotetrafluoroethane	2.870	85	1692833	9.016	ppbv	99
9) Propene	2.710	41	596424	9.028	ppbv	100
10) Heptane	7.594	43	1524430	10.297	ppbv	99
11) Trichlorofluoromethane	3.578	101	1716777	9.371	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.083	101	1253402	9.413	ppbv	99
13) Ethanol	3.263	45	35922m	8.880	ppbv	
14) Bromoethene	3.382	108	504396	9.423	ppbv	98
15) Acetone	3.481	43	1306457	9.122	ppbv	100
16) 1,3-Butadiene	2.999	39	715603	9.903	ppbv	100
17) tert-Butyl alcohol	3.893	59	1194748	9.507	ppbv	99
18) 1,1-Dichloroethene	3.893	96	557361	9.544	ppbv	94
19) Isopropyl Alcohol	3.591	45	622976	9.101	ppbv	98
20) Methylene Chloride	3.947	84	468186	8.884	ppbv	97
21) Allyl Chloride	4.012	41	874140	9.878	ppbv	99
22) trans-1,2-Dichloroethene	4.462	96	552930	9.522	ppbv	96
23) Vinyl Acetate	4.642	43	578556	9.164	ppbv	99
24) 1,1-Dichloroethane	4.578	63	1200413	9.261	ppbv	99
25) Ethyl Acetate	5.221	43	2817969	9.506	ppbv	100
26) Hexane	5.227	57	1108983	9.737	ppbv	99
27) Carbon Disulfide	4.140	76	1366173	10.677	ppbv	100
28) Methyl tert-Butyl Ether	4.600	73	647293	8.826	ppbv	99
29) Chloroform	5.291	83	1773915	9.436	ppbv	100
30) Cyclohexane	6.619	84	951807	9.815	ppbv	99
31) cis-1,2-Dichloroethene	5.095	61	1074877	9.810	ppbv	99
32) 1,1,1-Trichloroethane	6.018	97	1728793	10.080	ppbv	99
34) 2-Butanone	4.800	43	1501583	9.310	ppbv	99
35) Carbon Tetrachloride	6.510	117	1826480	10.688	ppbv	99
36) Benzene	6.388	78	2387291	9.947	ppbv	99
37) 1,2-Dichloroethane	5.822	62	1319263	9.744	ppbv	99
38) Trichloroethene	7.307	130	980257	10.635	ppbv	99
39) 1,2-Dichloropropane	7.092	63	925581	9.759	ppbv	98
40) 1,4-Dioxane	7.301	88	360556	10.596	ppbv	99
41) Tetrahydrofuran	5.571	42	944780	10.257	ppbv	99
42) Bromodichloromethane	7.269	83	1909198	10.147	ppbv	99
43) Methyl Methacrylate	7.491	69	920452	10.923	ppbv	99
44) 2,2,4-Trimethylpentane	7.343	57	4048166	9.958	ppbv	100
45) t-1,3-Dichloropropene	8.729	75	880781	11.439	ppbv	97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.160	75	1226432	11.089	ppbv	97
47) 1,1,2-Trichloroethane	8.918	97	1003450	9.776	ppbv	98
48) Dibromochloromethane	9.729	129	1658425	10.628	ppbv	100
49) Bromoform	12.423	173	1485005	11.123	ppbv	100
50) 4-Methyl-2-Pentanone	8.198	43	2593146	10.473	ppbv	100
51) 2-Hexanone	9.568	43	2018735	11.196	ppbv	99
52) Tetrachloroethene	10.632	164	887903	10.856	ppbv	98
53) Toluene	9.237	91	2780287	11.016	ppbv	99
54) 1,2-Dibromoethane	10.028	107	1343883	11.206	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.526	131	1272657	9.534	ppbv	99
57) Chlorobenzene	11.542	112	2224042	9.291	ppbv	98
58) Ethyl Benzene	12.105	91	3779084	10.650	ppbv	99
59) m/p-Xylene	12.391	91	6496748m	20.446	ppbv	
60) o-Xylene	13.076	91	3111959	10.271	ppbv	100
61) Styrene	12.915	104	1503740	12.024	ppbv	100
62) Isopropylbenzene	14.047	105	4628133	9.890	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.066	83	2179613	9.779	ppbv	100
64) n-propylbenzene	14.931	120	1264315	10.321	ppbv	99
65) tert-Butylbenzene	16.108	119	4185885	9.953	ppbv	100
66) Benzyl Chloride	16.349	91	362387m	11.200	ppbv	
67) sec-Butylbenzene	16.651	105	5912468	9.974	ppbv	100
69) p-Isopropyltoluene	17.011	119	4955798	10.341	ppbv	100
70) n-Butylbenzene	17.902	91	5094738	10.390	ppbv	100
71) 2-Chlorotoluene	14.818	91	3506297	10.366	ppbv	100
72) 4-Ethyltoluene	15.211	105	3790505	10.760	ppbv	99
73) 1,3,5-Trimethylbenzene	15.368	105	3243824	10.494	ppbv	99
74) 1,2,4-Trimethylbenzene	16.124	105	3596562	10.016	ppbv	99
75) 1,3-Dichlorobenzene	16.349	146	2210855	9.942	ppbv	99
76) 1,4-Dichlorobenzene	16.490	146	2115126	9.858	ppbv	99
77) 1,2-Dichlorobenzene	17.162	146	2154411	9.780	ppbv	100
78) Hexachloro-1,3-Butadiene	22.651	225	1448199	8.312	ppbv	100
79) Naphthalene	21.403	128	2907132	13.117	ppbv	100
80) Naphthalene,2-methyl-	24.390	142	514199	10.643	ppbv	93
81) 1,2,4-Trichlorobenzene	21.159	180	1465322	10.513	ppbv	100

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

