

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112024\
 Data File : VL041709.D
 Acq On : 21 Nov 2024 7:29
 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 11/21/2024
 Supervised By : Mahesh Dadoda 11/21/2024

Quant Time: Nov 21 07:59:35 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

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

Internal Standards						
1) Bromochloromethane	5.218	49	1208155	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	6.681	114	3379901	10.000	ppbv	0.03
55) Chlorobenzene-d5	11.494	117	3145798m	10.000	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.802 95 2363730 10.198 ppbv 0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.755	85	1170328	5.360	ppbv	99
3) Chlorodifluoromethane	2.700	51	1330876	8.455	ppbv	100
4) Chloromethane	2.838	50	742948	8.910	ppbv	98
5) Vinyl Chloride	2.944	62	737298	9.830	ppbv	97
6) Bromomethane	3.147	94	303362	7.624	ppbv	99
7) Chloroethane	3.221	64	264203	9.652	ppbv	97
8) Dichlorotetrafluoroethane	2.883	85	1704810	8.746	ppbv	99
9) Propene	2.719	41	622416	9.074	ppbv	98
10) Heptane	7.607	43	1539963	10.019	ppbv	99
11) Trichlorofluoromethane	3.587	101	1721023	9.048	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.092	101	1293006	9.353	ppbv	98
13) Ethanol	3.276	45	23059m	5.490	ppbv	
14) Bromoethene	3.391	108	524156	9.431	ppbv	97
15) Acetone	3.494	43	1290369	8.678	ppbv	99
16) 1,3-Butadiene	3.012	39	715458	9.536	ppbv	99
17) tert-Butyl alcohol	3.903	59	1408134	10.792	ppbv	100
18) 1,1-Dichloroethene	3.906	96	572830	9.447	ppbv	93
19) Isopropyl Alcohol	3.600	45	786174	11.062	ppbv #	96
20) Methylene Chloride	3.957	84	470025	8.591	ppbv	97
21) Allyl Chloride	4.021	41	897148	9.764	ppbv	98
22) trans-1,2-Dichloroethene	4.472	96	586738	9.732	ppbv	100
23) Vinyl Acetate	4.652	43	806113	12.298	ppbv #	97
24) 1,1-Dichloroethane	4.591	63	1250733	9.294	ppbv	99
25) Ethyl Acetate	5.230	43	2793810	9.077	ppbv	99
26) Hexane	5.240	57	1146986	9.700	ppbv	94
27) Carbon Disulfide	4.150	76	1360037	10.238	ppbv	100
28) Methyl tert-Butyl Ether	4.613	73	738621	9.700	ppbv	98
29) Chloroform	5.301	83	1753842	8.986	ppbv	100
30) Cyclohexane	6.629	84	971784	9.652	ppbv	100
31) cis-1,2-Dichloroethene	5.105	61	1108063	9.741	ppbv	99
32) 1,1,1-Trichloroethane	6.031	97	1716370	9.639	ppbv	99
34) 2-Butanone	4.812	43	1442644	8.572	ppbv	99
35) Carbon Tetrachloride	6.520	117	1777842	9.970	ppbv	98
36) Benzene	6.398	78	2425075	9.684	ppbv	100
37) 1,2-Dichloroethane	5.835	62	1322711	9.362	ppbv	99
38) Trichloroethene	7.317	130	1330686	13.835	ppbv	98
39) 1,2-Dichloropropane	7.102	63	932162	9.419	ppbv	98
40) 1,4-Dioxane	7.311	88	411655	11.593	ppbv #	1
41) Tetrahydrofuran	5.584	42	1013720	10.547	ppbv	100
42) Bromodichloromethane	7.279	83	1912025	9.739	ppbv	99
43) Methyl Methacrylate	7.500	69	938753	10.676	ppbv	99
44) 2,2,4-Trimethylpentane	7.356	57	4069232	9.593	ppbv	99
45) t-1,3-Dichloropropene	8.735	75	817572	10.176	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.169	75	1172724	10.162	ppbv	99
47) 1,1,2-Trichloroethane	8.928	97	995666	9.296	ppbv	98
48) Dibromochloromethane	9.738	129	1612015	9.900	ppbv	99
49) Bromoform	12.436	173	1420910	10.200	ppbv	100
50) 4-Methyl-2-Pentanone	8.208	43	2614411	10.119	ppbv	99
51) 2-Hexanone	9.574	43	2050117	10.896	ppbv #	99
52) Tetrachloroethene	10.642	164	879104	10.301	ppbv	98
53) Toluene	9.250	91	2760961	10.484	ppbv	100
54) 1,2-Dibromoethane	10.037	107	1316085	10.517	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.536	131	1191121	9.181	ppbv	99
57) Chlorobenzene	11.555	112	2151884	9.249	ppbv	97
58) Ethyl Benzene	12.118	91	3712408	10.765	ppbv	99
59) m/p-Xylene	12.401	91	6278463m	20.329	ppbv	
60) o-Xylene	13.089	91	3017691	10.247	ppbv	100
61) Styrene	12.925	104	1465963	12.061	ppbv	100
62) Isopropylbenzene	14.056	105	4370608	9.609	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.076	83	1212514	5.597	ppbv	99
64) n-propylbenzene	14.944	120	1177547	9.890	ppbv	99
65) tert-Butylbenzene	16.117	119	3935413	9.627	ppbv	100
66) Benzyl Chloride	16.359	91	202229m	6.431	ppbv	
67) sec-Butylbenzene	16.664	105	5472216	9.498	ppbv	100
69) p-Isopropyltoluene	17.021	119	4573781	9.819	ppbv	100
70) n-Butylbenzene	17.915	91	4709978	9.883	ppbv	100
71) 2-Chlorotoluene	14.828	91	3298001	10.032	ppbv	100
72) 4-Ethyltoluene	15.220	105	3595816	10.502	ppbv	99
73) 1,3,5-Trimethylbenzene	15.378	105	3065794	10.204	ppbv	98
74) 1,2,4-Trimethylbenzene	16.134	105	3394011	9.725	ppbv	96
75) 1,3-Dichlorobenzene	16.362	146	2111480	9.769	ppbv	99
76) 1,4-Dichlorobenzene	16.503	146	2060755	9.882	ppbv	99
77) 1,2-Dichlorobenzene	17.172	146	2052624	9.587	ppbv	99
78) Hexachloro-1,3-Butadiene	22.667	225	1456041	8.598	ppbv	100
79) Naphthalene	21.416	128	3036265	14.095	ppbv	99
80) Naphthalene,2-methyl-	24.400	142	1590650	33.873	ppbv	98
81) 1,2,4-Trichlorobenzene	21.172	180	1593813	11.765	ppbv	99

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

