

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101024\
 Data File : VL041658.D
 Acq On : 11 Oct 2024 1:15
 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 : Semsettin
 Yesilyurt

Quant Time: Oct 11 05:48:50 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

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

QLast Update : Tue Sep 17 09:12:21 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	1040122	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	2879186	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2903409m	10.000	ppbv	0.00

10/11/2024
 Supervised By : Mahesh
 adoda

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.764	95	2132871	9.979	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.800%

10/14/2024

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.706	85	1091242	7.265	ppbv	100
3) Chlorodifluoromethane	2.652	51	1207784	9.573	ppbv	99
4) Chloromethane	2.790	50	673494	9.706	ppbv	99
5) Vinyl Chloride	2.899	62	637676	10.614	ppbv	100
6) Bromomethane	3.096	94	249384	8.343	ppbv	96
7) Chloroethane	3.176	64	230023	9.844	ppbv	99
8) Dichlorotetrafluoroethane	2.835	85	1552380	9.852	ppbv	99
9) Propene	2.671	41	549160	10.320	ppbv	99
10) Heptane	7.565	43	1388445	11.144	ppbv	99
11) Trichlorofluoromethane	3.542	101	1556005	9.735	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.047	101	1152988	9.960	ppbv	99
13) Ethanol	3.231	45	23394m	5.848	ppbv	
14) Bromoethene	3.346	108	452237	10.302	ppbv	100
15) Acetone	3.446	43	1132928	8.676	ppbv	100
16) 1,3-Butadiene	2.964	39	648833	10.216	ppbv	97
17) tert-Butyl alcohol	3.858	59	1056410	9.199	ppbv	99
18) 1,1-Dichloroethene	3.861	96	498569	10.173	ppbv	97
19) Isopropyl Alcohol	3.555	45	581189	8.694	ppbv #	95
20) Methylene Chloride	3.912	84	404165	8.239	ppbv	90
21) Allyl Chloride	3.977	41	762853	10.079	ppbv	98
22) trans-1,2-Dichloroethene	4.427	96	484708	9.914	ppbv	99
23) Vinyl Acetate	4.610	43	800626	11.147	ppbv	98
24) 1,1-Dichloroethane	4.546	63	1120729	10.396	ppbv	99
25) Ethyl Acetate	5.189	43	2463136	10.507	ppbv	100
26) Hexane	5.195	57	1025764	10.493	ppbv	98
27) Carbon Disulfide	4.105	76	1186557	11.418	ppbv	99
28) Methyl tert-Butyl Ether	4.568	73	602858	10.002	ppbv	99
29) Chloroform	5.259	83	1599561	9.999	ppbv	95
30) Cyclohexane	6.584	84	856580	11.367	ppbv	99
31) cis-1,2-Dichloroethene	5.060	61	958198	10.324	ppbv	98
32) 1,1,1-Trichloroethane	5.989	97	1561753	10.960	ppbv	99
34) 2-Butanone	4.767	43	1258099	9.164	ppbv	98
35) Carbon Tetrachloride	6.481	117	1632553	11.556	ppbv	99
36) Benzene	6.356	78	2156718	10.786	ppbv	99
37) 1,2-Dichloroethane	5.790	62	1190412	10.261	ppbv	99
38) Trichloroethene	7.279	130	1108416	10.764	ppbv	98
39) 1,2-Dichloropropane	7.060	63	841867	10.349	ppbv	99
40) 1,4-Dioxane	7.272	88	330574	10.780	ppbv #	99
41) Tetrahydrofuran	5.539	42	846105	11.199	ppbv	99
42) Bromodichloromethane	7.237	83	1723651	10.679	ppbv	97
43) Methyl Methacrylate	7.462	69	827399	11.563	ppbv	100
44) 2,2,4-Trimethylpentane	7.311	57	3696451	10.685	ppbv	99
45) t-1,3-Dichloropropene	8.700	75	612054	10.609	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.131	75	911692	10.787	ppbv	98
47) 1,1,2-Trichloroethane	8.886	97	892831	10.337	ppbv	98
48) Dibromochloromethane	9.697	129	1460113	11.158	ppbv	100
49) Bromoform	12.397	173	1259709	11.214	ppbv	99
50) 4-Methyl-2-Pentanone	8.166	43	2444783	11.531	ppbv	99
51) 2-Hexanone	9.539	43	1905338	11.881	ppbv #	99
52) Tetrachloroethene	10.603	164	793294	10.956	ppbv	96
53) Toluene	9.208	91	2493037	11.745	ppbv	99
54) 1,2-Dibromoethane	9.996	107	1179585	11.090	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.497	131	1101083	9.713	ppbv	99
57) Chlorobenzene	11.516	112	1965001	9.387	ppbv	98
58) Ethyl Benzene	12.079	91	3381819	10.881	ppbv	99
59) m/p-Xylene	12.359	91	5787979m	20.924	ppbv	
60) o-Xylene	13.050	91	2804368	10.574	ppbv	100
61) Styrene	12.889	104	1314465	11.864	ppbv	99
62) Isopropylbenzene	14.018	105	4071670	10.134	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.037	83	1481660	10.927	ppbv	99
64) n-propylbenzene	14.902	120	1093631	10.539	ppbv	100
65) tert-Butylbenzene	16.079	119	3652217	9.916	ppbv	100
66) Benzyl Chloride	16.317	91	197528	10.316	ppbv	97
67) sec-Butylbenzene	16.626	105	5137677	10.054	ppbv	100
69) p-Isopropyltoluene	16.982	119	4269158	10.322	ppbv	100
70) n-Butylbenzene	17.876	91	4388221	10.128	ppbv	100
71) 2-Chlorotoluene	14.790	91	3045272	10.301	ppbv	99
72) 4-Ethyltoluene	15.182	105	3354252	10.820	ppbv	99
73) 1,3,5-Trimethylbenzene	15.339	105	2857424	10.438	ppbv	96
74) 1,2,4-Trimethylbenzene	16.095	105	3191011	9.959	ppbv	96
75) 1,3-Dichlorobenzene	16.320	146	1912425	9.524	ppbv	100
76) 1,4-Dichlorobenzene	16.462	146	1877778	9.759	ppbv	98
77) 1,2-Dichlorobenzene	17.130	146	1862671	9.396	ppbv	100
78) Hexachloro-1,3-Butadiene	22.616	225	1288904	7.881	ppbv	99
79) Naphthalene	21.375	128	2460422	10.434	ppbv	99
80) Naphthalene,2-methyl-	24.362	142	826416	5.001	ppbv	99
81) 1,2,4-Trichlorobenzene	21.127	180	1304730	8.703	ppbv	98

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

