

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031224\
 Data File : VL041091.D
 Acq On : 12 Mar 2024 9:38
 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 03/13/2024
 Supervised By : Mahesh Dadoda 03/13/2024

Quant Time: Mar 13 01:22:46 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M

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

QLast Update : Wed Mar 13 01:22:02 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1391025	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	3669853	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	3606932	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 2718352 9.639 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.723	85	2159057	8.145	ppbv	96
3) Chlorodifluoromethane	2.665	51	2003678	9.808	ppbv	99
4) Chloromethane	2.803	50	751593	9.720	ppbv	100
5) Vinyl Chloride	2.912	62	785786	9.987	ppbv	98
6) Bromomethane	3.112	94	326615	10.468	ppbv	97
7) Chloroethane	3.189	64	274700	10.054	ppbv	94
8) Dichlorotetrafluoroethane	2.848	85	1895125	9.846	ppbv	99
9) Propene	2.684	41	685110	10.070	ppbv	100
10) Heptane	7.581	43	1704264	10.469	ppbv	99
11) Trichlorofluoromethane	3.559	101	2008624	9.827	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.063	101	1459316	9.711	ppbv	99
13) Ethanol	3.234	45	154182	8.504	ppbv	100
14) Bromoethene	3.359	108	608293	10.382	ppbv	98
15) Acetone	3.462	43	1371241	8.653	ppbv	99
16) 1,3-Butadiene	2.977	39	725344	10.090	ppbv	99
17) tert-Butyl alcohol	3.870	59	1419564	12.097	ppbv	99
18) 1,1-Dichloroethene	3.877	96	642637	9.798	ppbv	95
19) Isopropyl Alcohol	3.568	45	940721	11.113	ppbv	99
20) Methylene Chloride	3.928	84	526769	8.526	ppbv	98
21) Allyl Chloride	3.993	41	938249	10.483	ppbv	97
22) trans-1,2-Dichloroethene	4.443	96	689956	9.011	ppbv	97
23) Vinyl Acetate	4.623	43	1655661	9.233	ppbv	99
24) 1,1-Dichloroethane	4.562	63	1350956	8.339	ppbv	98
25) Ethyl Acetate	5.205	43	2875180	10.070	ppbv	99
26) Hexane	5.211	57	1242707	9.739	ppbv	99
27) Carbon Disulfide	4.121	76	1649157	10.781	ppbv	99
28) Methyl tert-Butyl Ether	4.584	73	988429	8.760	ppbv	99
29) Chloroform	5.275	83	2076560	9.556	ppbv	94
30) Cyclohexane	6.603	84	1101764	10.419	ppbv	97
31) cis-1,2-Dichloroethene	5.079	61	1227185	9.879	ppbv	96
32) 1,1,1-Trichloroethane	6.005	97	2123089	10.788	ppbv	99
34) 2-Butanone	4.784	43	1510225	8.312	ppbv	100
35) Carbon Tetrachloride	6.494	117	2229942	10.398	ppbv	99
36) Benzene	6.372	78	2708765	9.916	ppbv	99
37) 1,2-Dichloroethane	5.809	62	1603049	9.754	ppbv	98
38) Trichloroethene	7.295	130	1072116	10.806	ppbv	97
39) 1,2-Dichloropropane	7.076	63	1059528	9.696	ppbv	98
40) 1,4-Dioxane	7.288	88	409395	9.516	ppbv	94
41) Tetrahydrofuran	5.555	42	1095915	10.134	ppbv	98
42) Bromodichloromethane	7.253	83	2363918	10.040	ppbv	98
43) Methyl Methacrylate	7.478	69	1131928	10.712	ppbv	100
44) 2,2,4-Trimethylpentane	7.330	57	4432310	9.716	ppbv	99
45) t-1,3-Dichloropropene	8.716	75	860043	11.824	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	1031151	11.289	ppbv	97
47) 1,1,2-Trichloroethane	8.902	97	1158259	9.937	ppbv	97
48) Dibromochloromethane	9.716	129	2003382	10.545	ppbv	99
49) Bromoform	12.413	173	1614728	10.686	ppbv	99
50) 4-Methyl-2-Pentanone	8.185	43	2785796	10.395	ppbv	100
51) 2-Hexanone	9.555	43	2051538	10.451	ppbv #	99
52) Tetrachloroethene	10.623	164	925354	10.921	ppbv	96
53) Toluene	9.224	91	3097075	10.518	ppbv	99
54) 1,2-Dibromoethane	10.015	107	1651721	11.019	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.516	131	1439798	9.330	ppbv	96
57) Chlorobenzene	11.532	112	2397181	9.429	ppbv	98
58) Ethyl Benzene	12.095	91	4169580	9.874	ppbv	100
59) m/p-Xylene	12.381	91	7129644m	19.234	ppbv	
60) o-Xylene	13.066	91	3389838	9.632	ppbv	98
61) Styrene	12.905	104	1771544	11.147	ppbv	100
62) Isopropylbenzene	14.037	105	4968240	9.502	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.053	83	2543845	9.616	ppbv	100
64) n-propylbenzene	14.928	120	1318582	10.023	ppbv	96
65) tert-Butylbenzene	16.098	119	4414549	9.715	ppbv	99
66) Benzyl Chloride	16.339	91	361099m	11.729	ppbv	
67) sec-Butylbenzene	16.645	105	6222177	9.519	ppbv	100
69) p-Isopropyltoluene	16.998	119	5089116	9.981	ppbv	100
70) n-Butylbenzene	17.892	91	5497975	9.977	ppbv	100
71) 2-Chlorotoluene	14.806	91	3885788	9.716	ppbv	98
72) 4-Ethyltoluene	15.198	105	3938566	10.164	ppbv	99
73) 1,3,5-Trimethylbenzene	15.359	105	3412338	9.951	ppbv	99
74) 1,2,4-Trimethylbenzene	16.114	105	3793154	9.685	ppbv	97
75) 1,3-Dichlorobenzene	16.339	146	2217504	9.915	ppbv	99
76) 1,4-Dichlorobenzene	16.481	146	2152894	9.553	ppbv	99
77) 1,2-Dichlorobenzene	17.150	146	2145266	9.816	ppbv	99
78) Hexachloro-1,3-Butadiene	22.645	225	1309659m	8.512	ppbv	
79) Naphthalene	21.394	128	3138767	13.839	ppbv	100
80) Naphthalene,2-methyl-	24.381	142	624962m	17.190	ppbv	
81) 1,2,4-Trichlorobenzene	21.149	180	1522019	11.653	ppbv	98

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

