

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072224\
 Data File : VL041381.D
 Acq On : 22 Jul 2024 10:30
 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 07/24/2024
 Supervised By :Semsettin Yesilyurt 07/24/2024

Quant Time: Jul 23 03:10:50 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL062624AIR.M

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

QLast Update : Tue Jul 23 02:50:01 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	1047255	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.667	114	2765840	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2609523	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.777 95 1995778 10.204 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.774	85	1300355	7.277	ppbv	100
3) Chlorodifluoromethane	2.719	51	1667576	9.235	ppbv	99
4) Chloromethane	2.854	50	639425	9.266	ppbv	97
5) Vinyl Chloride	2.960	62	674518	9.045	ppbv	99
6) Bromomethane	3.156	94	223365	9.469	ppbv	96
7) Chloroethane	3.237	64	233825	9.491	ppbv	99
8) Dichlorotetrafluoroethane	2.896	85	1618349	9.317	ppbv	98
9) Propene	2.735	41	561014	8.978	ppbv	99
10) Heptane	7.590	43	1427707	9.728	ppbv	99
11) Trichlorofluoromethane	3.594	101	1557445	8.953	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.092	101	1107663	9.086	ppbv	99
13) Ethanol	3.282	45	98337m	7.094	ppbv	
14) Bromoethene	3.401	108	477529	9.765	ppbv	98
15) Acetone	3.500	43	1277492	9.236	ppbv	100
16) 1,3-Butadiene	3.025	39	659740	10.022	ppbv	98
17) tert-Butyl alcohol	3.909	59	1081659	10.137	ppbv	99
18) 1,1-Dichloroethene	3.909	96	487044	9.088	ppbv	97
19) Isopropyl Alcohol	3.610	45	670504	8.831	ppbv	100
20) Methylene Chloride	3.963	84	419077	8.350	ppbv	99
21) Allyl Chloride	4.024	41	788833	9.455	ppbv	100
22) trans-1,2-Dichloroethene	4.471	96	500426	9.401	ppbv	98
23) Vinyl Acetate	4.651	43	1451439	10.646	ppbv	98
24) 1,1-Dichloroethane	4.587	63	1085718	9.185	ppbv	100
25) Ethyl Acetate	5.227	43	2404581	9.441	ppbv	100
26) Hexane	5.230	57	1035275	9.180	ppbv	96
27) Carbon Disulfide	4.150	76	1340496	9.769	ppbv	99
28) Methyl tert-Butyl Ether	4.610	73	784445	9.378	ppbv	99
29) Chloroform	5.295	83	1639021	9.420	ppbv	98
30) Cyclohexane	6.616	84	893104	9.941	ppbv	99
31) cis-1,2-Dichloroethene	5.098	61	1059900	9.803	ppbv	97
32) 1,1,1-Trichloroethane	6.018	97	1639170	8.975	ppbv	99
34) 2-Butanone	4.809	43	1467260	10.053	ppbv	100
35) Carbon Tetrachloride	6.510	117	1697206	9.292	ppbv	97
36) Benzene	6.388	78	2224317	9.717	ppbv	99
37) 1,2-Dichloroethane	5.825	62	1280782	9.752	ppbv	99
38) Trichloroethene	7.304	130	862750	8.652	ppbv	99
39) 1,2-Dichloropropane	7.089	63	857909	9.699	ppbv	96
40) 1,4-Dioxane	7.301	88	201660m	7.111	ppbv	
41) Tetrahydrofuran	5.577	42	896883	9.921	ppbv	99
42) Bromodichloromethane	7.259	83	1847193	10.052	ppbv	97
43) Methyl Methacrylate	7.487	69	903644	10.508	ppbv	99
44) 2,2,4-Trimethylpentane	7.339	57	3675562	9.449	ppbv	100
45) t-1,3-Dichloropropene	8.716	75	674785	12.398	ppbv	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	837356	11.442	ppbv	96
47) 1,1,2-Trichloroethane	8.909	97	916923	9.664	ppbv	98
48) Dibromochloromethane	9.716	129	1550262	10.175	ppbv	100
49) Bromoform	12.407	173	1276307	10.518	ppbv	99
50) 4-Methyl-2-Pentanone	8.188	43	2339607	9.982	ppbv	99
51) 2-Hexanone	9.558	43	1653101	9.922	ppbv #	100
52) Tetrachloroethene	10.619	164	781152	8.498	ppbv	96
53) Toluene	9.227	91	2597389	10.061	ppbv	99
54) 1,2-Dibromoethane	10.011	107	1230833	10.483	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.510	131	1131392	9.635	ppbv	97
57) Chlorobenzene	11.526	112	1976899	9.657	ppbv	98
58) Ethyl Benzene	12.088	91	3493015	10.005	ppbv	98
59) m/p-Xylene	12.371	91	5897078m	19.517	ppbv	
60) o-Xylene	13.059	91	2795465	9.803	ppbv	99
61) Styrene	12.899	104	1482778	10.707	ppbv	99
62) Isopropylbenzene	14.031	105	4143718	9.412	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.047	83	1951542	8.687	ppbv	99
64) n-propylbenzene	14.915	120	1102169	9.591	ppbv	98
65) tert-Butylbenzene	16.088	119	3704559	9.451	ppbv	100
66) Benzyl Chloride	16.323	91	283300	10.999	ppbv	99
67) sec-Butylbenzene	16.635	105	5281948	9.527	ppbv	100
69) p-Isopropyltoluene	16.992	119	4397098	9.603	ppbv	100
70) n-Butylbenzene	17.882	91	4637187	9.908	ppbv	100
71) 2-Chlorotoluene	14.799	91	3167758	9.686	ppbv	99
72) 4-Ethyltoluene	15.191	105	3357000	9.884	ppbv	99
73) 1,3,5-Trimethylbenzene	15.349	105	2881020	9.910	ppbv	98
74) 1,2,4-Trimethylbenzene	16.104	105	3219478	9.828	ppbv #	92
75) 1,3-Dichlorobenzene	16.326	146	1926623	9.914	ppbv	99
76) 1,4-Dichlorobenzene	16.471	146	1902904	9.828	ppbv	99
77) 1,2-Dichlorobenzene	17.143	146	1874607	9.462	ppbv	99
78) Hexachloro-1,3-Butadiene	22.631	225	1371004	9.514	ppbv	100
79) Naphthalene	21.384	128	3096401	17.575	ppbv	99
80) Naphthalene,2-methyl-	24.381	142	76579	165.153	ppbv #	48
81) 1,2,4-Trichlorobenzene	21.140	180	1539006	14.133	ppbv	100

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

