

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050824\
 Data File : VL041234.D
 Acq On : 8 May 2024 8:34
 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 05/09/2024
 Supervised By : Mahesh Dadoda 05/09/2024

Quant Time: May 09 02:43:18 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M

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

QLast Update : Thu May 09 02:43:03 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	892128	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2331059	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.487	117	2271289m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.796 95 1711049 9.979 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.745	85	1284232	10.642	ppbv	100
3) Chlorodifluoromethane	2.690	51	1388690	10.249	ppbv	99
4) Chloromethane	2.832	50	525453	9.883	ppbv	98
5) Vinyl Chloride	2.938	62	547727	10.255	ppbv	96
6) Bromomethane	3.137	94	200809	10.305	ppbv	92
7) Chloroethane	3.214	64	187651	9.951	ppbv	100
8) Dichlorotetrafluoroethane	2.874	85	1287839	10.311	ppbv	98
9) Propene	2.710	41	487253	9.189	ppbv	97
10) Heptane	7.600	43	1239500	9.648	ppbv	99
11) Trichlorofluoromethane	3.581	101	1322389	10.782	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.083	101	941162	10.377	ppbv	99
13) Ethanol	3.256	45	129704	10.912	ppbv	100
14) Bromoethene	3.385	108	383871	10.256	ppbv	99
15) Acetone	3.485	43	988325	9.387	ppbv	99
16) 1,3-Butadiene	3.002	39	547945	10.310	ppbv	97
17) tert-Butyl alcohol	3.896	59	1016151	8.947	ppbv	99
18) 1,1-Dichloroethene	3.896	96	420983	10.411	ppbv	96
19) Isopropyl Alcohol	3.591	45	706553	10.227	ppbv #	44
20) Methylene Chloride	3.951	84	345201	9.428	ppbv	93
21) Allyl Chloride	4.015	41	674160	9.820	ppbv	96
22) trans-1,2-Dichloroethene	4.462	96	442366	10.519	ppbv	99
23) Vinyl Acetate	4.645	43	1166827	10.064	ppbv #	98
24) 1,1-Dichloroethane	4.584	63	925235	10.263	ppbv	99
25) Ethyl Acetate	5.221	43	2028041	9.650	ppbv	100
26) Hexane	5.230	57	897445	9.569	ppbv	98
27) Carbon Disulfide	4.140	76	1120702	10.095	ppbv	95
28) Methyl tert-Butyl Ether	4.603	73	695778	9.318	ppbv	99
29) Chloroform	5.295	83	1380070	10.667	ppbv	100
30) Cyclohexane	6.623	84	753642	10.152	ppbv	98
31) cis-1,2-Dichloroethene	5.095	61	908050	10.343	ppbv	96
32) 1,1,1-Trichloroethane	6.021	97	1379921	10.690	ppbv	99
34) 2-Butanone	4.803	43	1063032	8.960	ppbv	99
35) Carbon Tetrachloride	6.513	117	1390170	10.626	ppbv	98
36) Benzene	6.391	78	1909548	9.762	ppbv	99
37) 1,2-Dichloroethane	5.828	62	1087496	10.655	ppbv	99
38) Trichloroethene	7.311	130	713505	9.788	ppbv	96
39) 1,2-Dichloropropane	7.092	63	727162	9.645	ppbv	96
40) 1,4-Dioxane	7.301	88	317740	11.797	ppbv	73
41) Tetrahydrofuran	5.578	42	795784	9.265	ppbv	99
42) Bromodichloromethane	7.269	83	1551743	10.601	ppbv	99
43) Methyl Methacrylate	7.494	69	779509	9.852	ppbv	100
44) 2,2,4-Trimethylpentane	7.346	57	3226019	9.565	ppbv	99
45) t-1,3-Dichloropropene	8.732	75	591010	10.308	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.163	75	700672	9.982	ppbv	99
47) 1,1,2-Trichloroethane	8.922	97	778990	10.324	ppbv	99
48) Dibromochloromethane	9.732	129	1310654	10.901	ppbv	100
49) Bromoform	12.429	173	1089577	10.653	ppbv	99
50) 4-Methyl-2-Pentanone	8.201	43	2019837	9.486	ppbv	100
51) 2-Hexanone	9.568	43	1460515	9.247	ppbv #	100
52) Tetrachloroethene	10.635	164	675089	9.819	ppbv	95
53) Toluene	9.240	91	2235134	9.854	ppbv	100
54) 1,2-Dibromoethane	10.031	107	1079142	10.559	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.529	131	947924	10.293	ppbv	99
57) Chlorobenzene	11.548	112	1662775	9.996	ppbv	99
58) Ethyl Benzene	12.111	91	2996714	9.622	ppbv	98
59) m/p-Xylene	12.391	91	5041799m	19.262	ppbv	
60) o-Xylene	13.079	91	2383720	9.715	ppbv	100
61) Styrene	12.918	104	1285848	9.921	ppbv	99
62) Isopropylbenzene	14.050	105	3551524	9.677	ppbv	99
63) 1,1,1,2-Tetrachloroethane	13.066	83	1667294	9.969	ppbv	100
64) n-propylbenzene	14.934	120	936020	10.223	ppbv	96
65) tert-Butylbenzene	16.108	119	3109712	9.460	ppbv	100
66) Benzyl Chloride	16.349	91	275455m	7.403	ppbv	
67) sec-Butylbenzene	16.651	105	4432478	9.579	ppbv	98
69) p-Isopropyltoluene	17.015	119	3685030	9.664	ppbv	99
70) n-Butylbenzene	17.905	91	3858231	9.688	ppbv	99
71) 2-Chlorotoluene	14.822	91	2731115	9.774	ppbv	98
72) 4-Ethyltoluene	15.211	105	2852375	10.263	ppbv	99
73) 1,3,5-Trimethylbenzene	15.371	105	2478321	9.856	ppbv	99
74) 1,2,4-Trimethylbenzene	16.127	105	2701566	9.837	ppbv	97
75) 1,3-Dichlorobenzene	16.349	146	1588354	10.086	ppbv	99
76) 1,4-Dichlorobenzene	16.494	146	1578449	10.423	ppbv	100
77) 1,2-Dichlorobenzene	17.162	146	1573959	9.999	ppbv	98
78) Hexachloro-1,3-Butadiene	22.657	225	1118686	7.996	ppbv	99
79) Naphthalene	21.403	128	2731332	10.444	ppbv	97
80) Naphthalene,2-methyl-	24.390	142	749435m	7.124	ppbv	
81) 1,2,4-Trichlorobenzene	21.165	180	1322440	9.577	ppbv	99

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

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