

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072224\
 Data File : VL041396.D
 Acq On : 23 Jul 2024 9:37
 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 :Mahesh Dadoda 07/23/2024
 Supervised By :Semsettin Yesilyurt 07/24/2024

Quant Time: Jul 23 10:04:54 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	5.185	49	934401	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.648	114	2481440	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.468	117	2478181	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.773 95 1813937 9.766 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.700%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.716	85	1116440m	7.002	ppbv
3) Chlorodifluoromethane	2.658	51	1542286	9.572	ppbv
4) Chloromethane	2.800	50	597887	9.710	ppbv
5) Vinyl Chloride	2.906	62	612060	9.199	ppbv
6) Bromomethane	3.105	94	207851	9.875	ppbv
7) Chloroethane	3.185	64	216226	9.836	ppbv
8) Dichlorotetrafluoroethane	2.841	85	1424661	9.192	ppbv
9) Propene	2.677	41	538455	9.658	ppbv
10) Heptane	7.578	43	1330353	10.159	ppbv
11) Trichlorofluoromethane	3.549	101	1445199	9.311	ppbv
12) 1,1,2-Trichlorotrifluo...	4.054	101	1023485	9.410	ppbv
13) Ethanol	3.237	45	48204	3.897	ppbv
14) Bromoethene	3.353	108	424885	9.737	ppbv
15) Acetone	3.456	43	1190992	9.651	ppbv
16) 1,3-Butadiene	2.970	39	591863	10.077	ppbv
17) tert-Butyl alcohol	3.867	59	753448	7.914	ppbv
18) 1,1-Dichloroethene	3.867	96	466428	9.754	ppbv
19) Isopropyl Alcohol	3.565	45	423342m	6.249	ppbv
20) Methylene Chloride	3.922	84	400693	8.948	ppbv
21) Allyl Chloride	3.983	41	727620	9.775	ppbv
22) trans-1,2-Dichloroethene	4.433	96	466234	9.817	ppbv
23) Vinyl Acetate	4.616	43	1240049	10.194	ppbv
24) 1,1-Dichloroethane	4.552	63	1010461	9.581	ppbv
25) Ethyl Acetate	5.195	43	2270244	9.990	ppbv
26) Hexane	5.205	57	988700	9.826	ppbv
27) Carbon Disulfide	4.111	76	1142700	9.334	ppbv
28) Methyl tert-Butyl Ether	4.578	73	732657	9.817	ppbv
29) Chloroform	5.266	83	1508088	9.714	ppbv
30) Cyclohexane	6.594	84	841374	10.496	ppbv
31) cis-1,2-Dichloroethene	5.070	61	982752	10.188	ppbv
32) 1,1,1-Trichloroethane	5.996	97	1480076	9.083	ppbv
34) 2-Butanone	4.777	43	1373645	10.490	ppbv
35) Carbon Tetrachloride	6.491	117	1500821	9.159	ppbv
36) Benzene	6.365	78	2086690	10.161	ppbv
37) 1,2-Dichloroethane	5.800	62	1193538	10.129	ppbv
38) Trichloroethene	7.285	130	806986	9.020	ppbv
39) 1,2-Dichloropropane	7.070	63	800504	10.087	ppbv
40) 1,4-Dioxane	7.291	88	114168m	4.487	ppbv
41) Tetrahydrofuran	5.549	42	856907	10.565	ppbv
42) Bromodichloromethane	7.243	83	1668643	10.121	ppbv
43) Methyl Methacrylate	7.471	69	844551	10.946	ppbv
44) 2,2,4-Trimethylpentane	7.320	57	3404636	9.755	ppbv
45) t-1,3-Dichloropropene	8.709	75	596161	12.209	ppbv

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	759295	11.564	ppbv	99
47) 1,1,2-Trichloroethane	8.899	97	858580	10.087	ppbv	97
48) Dibromochloromethane	9.709	129	1383152	10.119	ppbv	99
49) Bromoform	12.410	173	1127654	10.358	ppbv	98
50) 4-Methyl-2-Pentanone	8.176	43	2179960	10.367	ppbv	99
51) 2-Hexanone	9.549	43	1587722	10.622	ppbv #	97
52) Tetrachloroethene	10.616	164	748470	9.076	ppbv	99
53) Toluene	9.217	91	2425266	10.471	ppbv	99
54) 1,2-Dibromoethane	10.008	107	1156495	10.978	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.510	131	1032204	9.256	ppbv	95
57) Chlorobenzene	11.526	112	1838415	9.457	ppbv	98
58) Ethyl Benzene	12.089	91	3264848	9.847	ppbv	97
59) m/p-Xylene	12.372	91	5506000m	19.189	ppbv	
60) o-Xylene	13.060	91	2648470	9.780	ppbv	99
61) Styrene	12.899	104	1384286	10.526	ppbv	99
62) Isopropylbenzene	14.031	105	3948820	9.445	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.047	83	1833013	8.592	ppbv	99
64) n-propylbenzene	14.915	120	1044454	9.570	ppbv	99
65) tert-Butylbenzene	16.092	119	3474558	9.334	ppbv	100
66) Benzyl Chloride	16.330	91	216287	8.842	ppbv	96
67) sec-Butylbenzene	16.635	105	4960068	9.421	ppbv	100
69) p-Isopropyltoluene	16.995	119	4143366	9.529	ppbv	100
70) n-Butylbenzene	17.886	91	4364211	9.819	ppbv	100
71) 2-Chlorotoluene	14.802	91	2942500	9.474	ppbv	99
72) 4-Ethyltoluene	15.195	105	3045836	9.443	ppbv	99
73) 1,3,5-Trimethylbenzene	15.349	105	2706288	9.802	ppbv	100
74) 1,2,4-Trimethylbenzene	16.111	105	3028670	9.735	ppbv	99
75) 1,3-Dichlorobenzene	16.333	146	1808722	9.801	ppbv	100
76) 1,4-Dichlorobenzene	16.474	146	1800328	9.791	ppbv	99
77) 1,2-Dichlorobenzene	17.143	146	1778173	9.451	ppbv	100
78) Hexachloro-1,3-Butadiene	22.635	225	1346042	9.836	ppbv	98
79) Naphthalene	21.384	128	3199314	19.121	ppbv	99
80) Naphthalene,2-methyl-	24.381	142	404967	919.657	ppbv #	40
81) 1,2,4-Trichlorobenzene	21.140	180	1583079	15.309	ppbv	99

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

