

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050624\
 Data File : VL041210.D
 Acq On : 6 May 2024 9:22
 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 05/07/2024
 Supervised By : Mahesh Dadoda 05/07/2024

Quant Time: May 07 05:20:31 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 : Tue May 07 05:19:44 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	946499	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2427265	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2362196	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.773 95 1762287 9.882 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.738	85	1341788	10.480	ppbv	99
3) Chlorodifluoromethane	2.684	51	1430871	9.954	ppbv	99
4) Chloromethane	2.822	50	545624	9.673	ppbv	95
5) Vinyl Chloride	2.928	62	572028	10.095	ppbv	99
6) Bromomethane	3.127	94	204321	9.882	ppbv	91
7) Chloroethane	3.205	64	199849	9.989	ppbv	97
8) Dichlorotetrafluoroethane	2.867	85	1336761	10.088	ppbv	98
9) Propene	2.703	41	534633	9.503	ppbv	99
10) Heptane	7.577	43	1307586	9.594	ppbv	98
11) Trichlorofluoromethane	3.568	101	1352223	10.392	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.070	101	1005829	10.453	ppbv	99
13) Ethanol	3.243	45	130250	10.328	ppbv	100
14) Bromoethene	3.372	108	401754	10.117	ppbv	99
15) Acetone	3.475	43	1033203	9.249	ppbv	98
16) 1,3-Butadiene	2.992	39	585387	10.381	ppbv	96
17) tert-Butyl alcohol	3.883	59	1119176	9.288	ppbv	100
18) 1,1-Dichloroethene	3.886	96	429328	10.007	ppbv	97
19) Isopropyl Alcohol	3.581	45	764146	10.425	ppbv #	44
20) Methylene Chloride	3.938	84	382798	9.855	ppbv	94
21) Allyl Chloride	4.002	41	730205	10.025	ppbv	97
22) trans-1,2-Dichloroethene	4.449	96	468835	10.508	ppbv	98
23) Vinyl Acetate	4.629	43	1230938	10.007	ppbv #	99
24) 1,1-Dichloroethane	4.568	63	990206	10.353	ppbv	99
25) Ethyl Acetate	5.205	43	2143481	9.614	ppbv	100
26) Hexane	5.214	57	941831	9.466	ppbv	99
27) Carbon Disulfide	4.127	76	1180844	10.026	ppbv	98
28) Methyl tert-Butyl Ether	4.587	73	773741	9.766	ppbv	100
29) Chloroform	5.278	83	1387598	10.109	ppbv	97
30) Cyclohexane	6.600	84	797904	10.131	ppbv	97
31) cis-1,2-Dichloroethene	5.079	61	936812	10.057	ppbv	97
32) 1,1,1-Trichloroethane	6.005	97	1395510	10.189	ppbv	99
34) 2-Butanone	4.787	43	1136855	9.202	ppbv	99
35) Carbon Tetrachloride	6.494	117	1396146	10.249	ppbv	97
36) Benzene	6.372	78	1982686	9.734	ppbv	99
37) 1,2-Dichloroethane	5.809	62	1102774	10.376	ppbv	99
38) Trichloroethene	7.291	130	728563	9.598	ppbv	97
39) 1,2-Dichloropropane	7.073	63	770584	9.816	ppbv	96
40) 1,4-Dioxane	7.285	88	314522	11.215	ppbv	83
41) Tetrahydrofuran	5.558	42	848543	9.488	ppbv	99
42) Bromodichloromethane	7.249	83	1578285	10.355	ppbv	100
43) Methyl Methacrylate	7.471	69	812617	9.864	ppbv	98
44) 2,2,4-Trimethylpentane	7.327	57	3363027	9.576	ppbv	100
45) t-1,3-Dichloropropene	8.709	75	615529	10.310	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	740513	10.132	ppbv	99
47) 1,1,2-Trichloroethane	8.899	97	798209	10.159	ppbv	98
48) Dibromochloromethane	9.706	129	1301581	10.397	ppbv	99
49) Bromoform	12.407	173	1105262	10.378	ppbv	99
50) 4-Methyl-2-Pentanone	8.179	43	2108458	9.510	ppbv	100
51) 2-Hexanone	9.548	43	1541531	9.374	ppbv #	99
52) Tetrachloroethene	10.613	164	699657	9.773	ppbv	98
53) Toluene	9.220	91	2306312	9.765	ppbv	99
54) 1,2-Dibromoethane	10.005	107	1104747	10.381	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.507	131	958079	10.002	ppbv	99
57) Chlorobenzene	11.523	112	1683675	9.732	ppbv	97
58) Ethyl Benzene	12.085	91	3056695	9.437	ppbv	100
59) m/p-Xylene	12.368	91	4861671m	17.859	ppbv	
60) o-Xylene	13.056	91	2409196	9.441	ppbv	100
61) Styrene	12.896	104	1325258	9.831	ppbv	100
62) Isopropylbenzene	14.027	105	3592763	9.413	ppbv	99
63) 1,1,1,2-Tetrachloroethane	13.043	83	1712315	9.844	ppbv	100
64) n-propylbenzene	14.912	120	950692	9.984	ppbv	98
65) tert-Butylbenzene	16.085	119	3153918	9.226	ppbv	100
66) Benzyl Chloride	16.326	91	298865	7.723	ppbv	99
67) sec-Butylbenzene	16.632	105	4488092	9.326	ppbv	98
69) p-Isopropyltoluene	16.992	119	3719712	9.379	ppbv	99
70) n-Butylbenzene	17.882	91	3910726	9.442	ppbv	100
71) 2-Chlorotoluene	14.796	91	2770794	9.534	ppbv	99
72) 4-Ethyltoluene	15.188	105	2900476	10.035	ppbv	99
73) 1,3,5-Trimethylbenzene	15.349	105	2511880	9.605	ppbv	98
74) 1,2,4-Trimethylbenzene	16.104	105	2731975	9.565	ppbv	98
75) 1,3-Dichlorobenzene	16.326	146	1645405	10.047	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	1623333	10.307	ppbv	100
77) 1,2-Dichlorobenzene	17.137	146	1576935	9.632	ppbv	99
78) Hexachloro-1,3-Butadiene	22.625	225	1155052	7.938	ppbv	100
79) Naphthalene	21.378	128	2764059	10.162	ppbv	100
80) Naphthalene,2-methyl-	24.371	142	848884	7.758	ppbv	95
81) 1,2,4-Trichlorobenzene	21.136	180	1347595	9.383	ppbv	99

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

