

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011524\
 Data File : VL040964.D
 Acq On : 15 Jan 2024 10:44
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/16/2024
 Supervised By :Mahesh Dadoda 01/16/2024

Quant Time: Jan 16 03:32:20 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M

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

QLast Update : Tue Jan 16 03:31:29 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	996871	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.636	114	2863339	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2783981m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.754 95 1978555 9.648 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.722	85	1765451	9.298	ppbv	96
3) Chlorodifluoromethane	2.668	51	1717894	11.452	ppbv	100
4) Chloromethane	2.806	50	656869	11.875	ppbv	97
5) Vinyl Chloride	2.912	62	675579	12.653	ppbv	98
6) Bromomethane	3.112	94	284987	12.031	ppbv	94
7) Chloroethane	3.189	64	233830	12.284	ppbv	97
8) Dichlorotetrafluoroethane	2.848	85	1631755	11.927	ppbv	100
9) Propene	2.687	41	587958	11.879	ppbv	100
10) Heptane	7.558	43	1463524	11.895	ppbv	100
11) Trichlorofluoromethane	3.552	101	1826479	12.304	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.054	101	1318780	11.440	ppbv	98
13) Ethanol	3.231	45	133019	10.653	ppbv	97
14) Bromoethene	3.356	108	534867	12.659	ppbv	98
15) Acetone	3.456	43	1239626	10.368	ppbv	99
16) 1,3-Butadiene	2.976	39	625653	12.154	ppbv	98
17) tert-Butyl alcohol	3.867	59	1274246	14.408	ppbv	100
18) 1,1-Dichloroethene	3.867	96	576478	12.112	ppbv	98
19) Isopropyl Alcohol	3.565	45	832895	13.351	ppbv	100
20) Methylene Chloride	3.919	84	480956	11.286	ppbv	99
21) Allyl Chloride	3.983	41	861706	12.193	ppbv	98
22) trans-1,2-Dichloroethene	4.433	96	611427	11.265	ppbv	96
23) Vinyl Acetate	4.610	43	1498506	11.361	ppbv	100
24) 1,1-Dichloroethane	4.549	63	1214421	10.293	ppbv	99
25) Ethyl Acetate	5.189	43	2166405	10.457	ppbv	100
26) Hexane	5.195	57	940504	10.244	ppbv	98
27) Carbon Disulfide	4.111	76	1467955	11.814	ppbv	96
28) Methyl tert-Butyl Ether	4.571	73	894823	10.503	ppbv	98
29) Chloroform	5.259	83	1433126	9.250	ppbv	99
30) Cyclohexane	6.584	84	905759	11.833	ppbv	99
31) cis-1,2-Dichloroethene	5.063	61	938544	9.951	ppbv	97
32) 1,1,1-Trichloroethane	5.986	97	1804900	12.049	ppbv	99
34) 2-Butanone	4.771	43	1352906	8.932	ppbv	98
35) Carbon Tetrachloride	6.475	117	1904423	10.620	ppbv	99
36) Benzene	6.353	78	2310699	10.323	ppbv	98
37) 1,2-Dichloroethane	5.790	62	1382833	10.310	ppbv	100
38) Trichloroethene	7.269	130	894356	10.638	ppbv	97
39) 1,2-Dichloropropane	7.053	63	907003	10.311	ppbv	98
40) 1,4-Dioxane	7.266	88	370067	9.964	ppbv #	1
41) Tetrahydrofuran	5.539	42	951352	10.323	ppbv	98
42) Bromodichloromethane	7.230	83	2016045	10.422	ppbv	99
43) Methyl Methacrylate	7.452	69	950543	10.826	ppbv	97
44) 2,2,4-Trimethylpentane	7.308	57	3784928	9.955	ppbv	100
45) t-1,3-Dichloropropene	8.687	75	818451	12.565	ppbv	96

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.121	75	958581	11.886	ppbv	98
47) 1,1,2-Trichloroethane	8.877	97	966470	10.358	ppbv	98
48) Dibromochloromethane	9.684	129	1709094	10.731	ppbv	99
49) Bromoform	12.384	173	1376439	11.200	ppbv	99
50) 4-Methyl-2-Pentanone	8.160	43	2407416	10.495	ppbv	99
51) 2-Hexanone	9.529	43	1780038	10.781	ppbv #	100
52) Tetrachloroethene	10.594	164	773176	10.254	ppbv	97
53) Toluene	9.198	91	2612322	10.525	ppbv	99
54) 1,2-Dibromoethane	9.986	107	1413406	11.038	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.484	131	1216380	9.991	ppbv	98
57) Chlorobenzene	11.503	112	2025379	9.879	ppbv	99
58) Ethyl Benzene	12.063	91	3533753	9.882	ppbv	99
59) m/p-Xylene	12.349	91	6008586m	19.755	ppbv	
60) o-Xylene	13.034	91	2838480	9.905	ppbv	99
61) Styrene	12.876	104	1487744	10.921	ppbv	99
62) Isopropylbenzene	14.005	105	4169538	9.811	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.021	83	2095266	10.149	ppbv	100
64) n-propylbenzene	14.892	120	1081546	10.146	ppbv	99
65) tert-Butylbenzene	16.066	119	3668054	10.154	ppbv	99
66) Benzyl Chloride	16.297	91	318543	12.886	ppbv	98
67) sec-Butylbenzene	16.613	105	5153399	9.816	ppbv	100
69) p-Isopropyltoluene	16.970	119	4203885	10.302	ppbv	99
70) n-Butylbenzene	17.863	91	4471540	10.555	ppbv	99
71) 2-Chlorotoluene	14.777	91	3246853	9.920	ppbv	100
72) 4-Ethyltoluene	15.169	105	3314437	10.538	ppbv	99
73) 1,3,5-Trimethylbenzene	15.330	105	2826143	10.410	ppbv	99
74) 1,2,4-Trimethylbenzene	16.085	105	3103340	10.272	ppbv	99
75) 1,3-Dichlorobenzene	16.304	146	1804585	10.457	ppbv	100
76) 1,4-Dichlorobenzene	16.449	146	1770145	10.485	ppbv	99
77) 1,2-Dichlorobenzene	17.121	146	1726714	10.386	ppbv	100
78) Hexachloro-1,3-Butadiene	22.609	225	962641	9.414	ppbv	99
79) Naphthalene	21.358	128	2238385	15.376	ppbv	99
80) Naphthalene,2-methyl-	24.355	142	472802	17.770	ppbv	99
81) 1,2,4-Trichlorobenzene	21.114	180	1125779	13.470	ppbv	98

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

Manual Integrations APPROVED

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
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Response via : Initial Calibration

