

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080124\
 Data File : VL041490.D
 Acq On : 1 Aug 2024 23:27
 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 :Semsettin Yesilyurt 08/02/2024
 Supervised By :Mahesh Dadoda 08/03/2024

Quant Time: Aug 02 04:16:53 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

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

QLast Update : Fri Aug 02 03:13:29 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	901140	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2440371	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2393272	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.777 95 1866942 10.137 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.732	85	1411870	9.107	ppbv	100
3) Chlorodifluoromethane	2.677	51	1276244	11.897	ppbv	99
4) Chloromethane	2.816	50	648809	11.371	ppbv	100
5) Vinyl Chloride	2.922	62	657284	11.687	ppbv	98
6) Bromomethane	3.121	94	371932	12.867	ppbv	100
7) Chloroethane	3.201	64	231779	11.942	ppbv	98
8) Dichlorotetrafluoroethane	2.861	85	1572619	11.449	ppbv	98
9) Propene	2.697	41	576657	11.701	ppbv	98
10) Heptane	7.581	43	1399809	12.642	ppbv	100
11) Trichlorofluoromethane	3.565	101	1563188	11.354	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.066	101	1094209	11.037	ppbv	97
13) Ethanol	3.246	45	81555	18.516	ppbv	92
14) Bromoethene	3.369	108	460914	11.925	ppbv	100
15) Acetone	3.468	43	1189794	11.620	ppbv	99
16) 1,3-Butadiene	2.989	39	636769	11.640	ppbv	99
17) tert-Butyl alcohol	3.877	59	1182446	12.663	ppbv	100
18) 1,1-Dichloroethene	3.883	96	502828	11.857	ppbv	98
19) Isopropyl Alcohol	3.578	45	722441	12.069	ppbv	99
20) Methylene Chloride	3.934	84	411955	10.790	ppbv	95
21) Allyl Chloride	3.999	41	789645	11.760	ppbv	97
22) trans-1,2-Dichloroethene	4.446	96	492419	11.613	ppbv	97
23) Vinyl Acetate	4.626	43	1116016	14.272	ppbv	99
24) 1,1-Dichloroethane	4.565	63	1066943	11.588	ppbv	100
25) Ethyl Acetate	5.205	43	2485780	12.221	ppbv	99
26) Hexane	5.214	57	1037309	12.293	ppbv	99
27) Carbon Disulfide	4.124	76	1134634	11.494	ppbv	98
28) Methyl tert-Butyl Ether	4.587	73	621384	11.677	ppbv	100
29) Chloroform	5.275	83	1598436	11.614	ppbv	98
30) Cyclohexane	6.603	84	892578	12.990	ppbv	98
31) cis-1,2-Dichloroethene	5.079	61	1024712	12.293	ppbv	96
32) 1,1,1-Trichloroethane	6.005	97	1552184	11.586	ppbv	99
34) 2-Butanone	4.787	43	1506677	12.763	ppbv	99
35) Carbon Tetrachloride	6.494	117	1632555	12.129	ppbv	99
36) Benzene	6.372	78	2211114	12.400	ppbv	98
37) 1,2-Dichloroethane	5.806	62	1229905	12.323	ppbv	100
38) Trichloroethene	7.294	130	883896	10.820	ppbv	98
39) 1,2-Dichloropropane	7.076	63	850417	12.457	ppbv	96
40) 1,4-Dioxane	7.291	88	251673	9.177	ppbv #	1
41) Tetrahydrofuran	5.555	42	897319	13.290	ppbv	98
42) Bromodichloromethane	7.249	83	1743246	12.096	ppbv	100
43) Methyl Methacrylate	7.475	69	898969	14.059	ppbv	98
44) 2,2,4-Trimethylpentane	7.327	57	3663383	12.300	ppbv	99
45) t-1,3-Dichloropropene	8.712	75	940935	15.987	ppbv	94

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	1226694	14.434	ppbv	98
47) 1,1,2-Trichloroethane	8.899	97	907844	12.064	ppbv	98
48) Dibromochloromethane	9.712	129	1497146	12.350	ppbv	99
49) Bromoform	12.407	173	1277172	12.472	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	2411017	12.945	ppbv	100
51) 2-Hexanone	9.552	43	1981191	14.068	ppbv	99
52) Tetrachloroethene	10.616	164	831788	12.072	ppbv	99
53) Toluene	9.220	91	2559648	12.887	ppbv	100
54) 1,2-Dibromoethane	10.008	107	1327043	13.249	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.510	131	1105067	11.906	ppbv #	59
57) Chlorobenzene	11.529	112	1966419	11.540	ppbv	99
58) Ethyl Benzene	12.089	91	3415080	12.380	ppbv	99
59) m/p-Xylene	12.368	91	5786113m	24.298	ppbv	
60) o-Xylene	13.060	91	2788764	12.380	ppbv	100
61) Styrene	12.899	104	1373671	13.517	ppbv	99
62) Isopropylbenzene	14.031	105	4115275	12.017	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.047	83	1913649	13.453	ppbv	100
64) n-propylbenzene	14.918	120	1099056	12.276	ppbv	98
65) tert-Butylbenzene	16.088	119	3663095	11.843	ppbv	100
66) Benzyl Chloride	16.326	91	393602	19.840	ppbv	98
67) sec-Butylbenzene	16.638	105	5121312	12.017	ppbv	100
69) p-Isopropyltoluene	16.995	119	4327480	12.237	ppbv	99
70) n-Butylbenzene	17.886	91	4437633	12.241	ppbv	100
71) 2-Chlorotoluene	14.802	91	3079527	12.194	ppbv	100
72) 4-Ethyltoluene	15.191	105	3341713	12.601	ppbv	99
73) 1,3,5-Trimethylbenzene	15.352	105	2823456	12.358	ppbv	100
74) 1,2,4-Trimethylbenzene	16.108	105	3146513	11.846	ppbv	97
75) 1,3-Dichlorobenzene	16.329	146	1949716	11.677	ppbv	99
76) 1,4-Dichlorobenzene	16.471	146	1898016	11.740	ppbv	99
77) 1,2-Dichlorobenzene	17.143	146	1880221	11.359	ppbv	100
78) Hexachloro-1,3-Butadiene	22.635	225	1512169	10.713	ppbv	99
79) Naphthalene	21.384	128	3458441	14.752	ppbv	99
80) Naphthalene,2-methyl-	24.371	142	1695687	8.628	ppbv	99
81) 1,2,4-Trichlorobenzene	21.140	180	1804630	12.935	ppbv	99

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

