

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
 Data File : VL041503.D
 Acq On : 8 Aug 2024 8:10
 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 08/09/2024
 Supervised By : Mahesh Dadoda 08/09/2024

Quant Time: Aug 09 05:39:51 2024

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 9 2024

QLast Update : Tue Aug 06 01:32:58 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	994274	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.642	114	2716113	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2735202	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 2064714 9.809 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.710	85	1205570	7.048	ppbv	100
3) Chlorodifluoromethane	2.655	51	1218812	10.297	ppbv	99
4) Chloromethane	2.793	50	654494	10.396	ppbv	98
5) Vinyl Chloride	2.903	62	657002	10.588	ppbv	100
6) Bromomethane	3.102	94	347002	10.880	ppbv	97
7) Chloroethane	3.179	64	222634	10.396	ppbv	98
8) Dichlorotetrafluoroethane	2.838	85	1535212	10.129	ppbv	99
9) Propene	2.674	41	552374	10.159	ppbv	99
10) Heptane	7.568	43	1367534	11.194	ppbv	100
11) Trichlorofluoromethane	3.546	101	1537424	10.121	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.050	101	1117174	10.213	ppbv	99
13) Ethanol	3.227	45	43164m	8.882	ppbv	
14) Bromoethene	3.349	108	448512	10.517	ppbv	99
15) Acetone	3.449	43	1157230	10.244	ppbv	100
16) 1,3-Butadiene	2.967	39	648992	10.753	ppbv	99
17) tert-Butyl alcohol	3.861	59	1149112	11.153	ppbv	99
18) 1,1-Dichloroethene	3.864	96	510290	10.906	ppbv	100
19) Isopropyl Alcohol	3.555	45	702963	10.644	ppbv #	97
20) Methylene Chloride	3.915	84	421098	9.996	ppbv	96
21) Allyl Chloride	3.980	41	810028	10.933	ppbv	99
22) trans-1,2-Dichloroethene	4.430	96	501480	10.719	ppbv	98
23) Vinyl Acetate	4.613	43	1027820	11.913	ppbv #	99
24) 1,1-Dichloroethane	4.549	63	1071411	10.547	ppbv	100
25) Ethyl Acetate	5.189	43	2422469	10.794	ppbv	100
26) Hexane	5.198	57	1003885	10.783	ppbv	99
27) Carbon Disulfide	4.108	76	1219858	11.200	ppbv	99
28) Methyl tert-Butyl Ether	4.568	73	624314	10.633	ppbv	100
29) Chloroform	5.259	83	1584043	10.431	ppbv	96
30) Cyclohexane	6.590	84	860023	11.344	ppbv	100
31) cis-1,2-Dichloroethene	5.063	61	991208	10.777	ppbv	97
32) 1,1,1-Trichloroethane	5.992	97	1561971	10.567	ppbv	99
34) 2-Butanone	4.771	43	1433865	10.913	ppbv	99
35) Carbon Tetrachloride	6.478	117	1642158	10.962	ppbv	99
36) Benzene	6.359	78	2160436	10.886	ppbv	99
37) 1,2-Dichloroethane	5.793	62	1212174	10.913	ppbv	100
38) Trichloroethene	7.282	130	973395	10.706	ppbv	98
39) 1,2-Dichloropropane	7.063	63	831710	10.946	ppbv	97
40) 1,4-Dioxane	7.272	88	351210	11.506	ppbv	96
41) Tetrahydrofuran	5.542	42	882484	11.744	ppbv	98
42) Bromodichloromethane	7.240	83	1760010	10.973	ppbv	99
43) Methyl Methacrylate	7.462	69	859947	12.083	ppbv	97
44) 2,2,4-Trimethylpentane	7.317	57	3637662	10.974	ppbv	100
45) t-1,3-Dichloropropene	8.700	75	870364	13.287	ppbv	96

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 9 18:23:48 2024

QLast Update : Tue Aug 06 01:32:58 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.131	75	1170745	12.377	ppbv	97
47) 1,1,2-Trichloroethane	8.893	97	906083	10.818	ppbv	97
48) Dibromochloromethane	9.703	129	1512424	11.209	ppbv	99
49) Bromoform	12.397	173	1335513	11.718	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	2427866	11.712	ppbv	100
51) 2-Hexanone	9.536	43	1971025	12.575	ppbv #	99
52) Tetrachloroethene	10.610	164	829107	10.812	ppbv	97
53) Toluene	9.211	91	2538680	11.484	ppbv	100
54) 1,2-Dibromoethane	9.999	107	1309379	11.745	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.500	131	1094554	10.319	ppbv #	57
57) Chlorobenzene	11.516	112	1979363	10.164	ppbv	98
58) Ethyl Benzene	12.079	91	3440262	10.912	ppbv	98
59) m/p-Xylene	12.362	91	5837461m	21.449	ppbv	
60) o-Xylene	13.050	91	2788147	10.830	ppbv	100
61) Styrene	12.889	104	1365378	11.756	ppbv	99
62) Isopropylbenzene	14.018	105	4085330	10.439	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.037	83	1720583	10.584	ppbv	100
64) n-propylbenzene	14.908	120	1093524	10.687	ppbv	95
65) tert-Butylbenzene	16.079	119	3674350	10.394	ppbv	100
66) Benzyl Chloride	16.320	91	282565	12.462	ppbv	100
67) sec-Butylbenzene	16.625	105	5141403	10.556	ppbv	100
69) p-Isopropyltoluene	16.986	119	4317703	10.683	ppbv	100
70) n-Butylbenzene	17.873	91	4449977	10.740	ppbv	100
71) 2-Chlorotoluene	14.790	91	3074343	10.652	ppbv	99
72) 4-Ethyltoluene	15.185	105	3346091	11.040	ppbv	100
73) 1,3,5-Trimethylbenzene	15.339	105	2877672	11.021	ppbv	99
74) 1,2,4-Trimethylbenzene	16.098	105	3193140	10.519	ppbv	100
75) 1,3-Dichlorobenzene	16.317	146	1998644	10.474	ppbv	100
76) 1,4-Dichlorobenzene	16.465	146	1949765	10.552	ppbv	100
77) 1,2-Dichlorobenzene	17.130	146	1933641	10.222	ppbv	99
78) Hexachloro-1,3-Butadiene	22.619	225	1474762	9.142	ppbv	100
79) Naphthalene	21.371	128	3286851	12.267	ppbv	100
80) Naphthalene,2-methyl-	24.361	142	2805169	12.490	ppbv	96
81) 1,2,4-Trichlorobenzene	21.127	180	1726526	10.828	ppbv	100

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

