

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092524\
 Data File : VL041632.D
 Acq On : 26 Sep 2024 7:48
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/26/2024
 Supervised By : Mahesh Dadoda 09/26/2024

Quant Time: Sep 26 08:38:49 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

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

QLast Update : Tue Sep 17 09:12:21 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.172	49	1045896	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	2863689	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2696252m	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.767 95 2035665 10.256 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.703	85	1086381	7.193	ppbv	99
3) Chlorodifluoromethane	2.648	51	1287385	10.148	ppbv	99
4) Chloromethane	2.787	50	702471	10.068	ppbv	97
5) Vinyl Chloride	2.896	62	706299	11.691	ppbv	99
6) Bromomethane	3.095	94	264453	8.798	ppbv	95
7) Chloroethane	3.172	64	250759	10.672	ppbv	98
8) Dichlorotetrafluoroethane	2.832	85	1664390	10.505	ppbv	100
9) Propene	2.668	41	600954	11.231	ppbv	99
10) Heptane	7.565	43	1468165	11.719	ppbv	99
11) Trichlorofluoromethane	3.539	101	1619799	10.078	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.044	101	1212450	10.415	ppbv	100
13) Ethanol	3.221	45	29096m	7.233	ppbv	
14) Bromoethene	3.343	108	501484	11.361	ppbv	98
15) Acetone	3.443	43	1212416	9.234	ppbv	100
16) 1,3-Butadiene	2.960	39	677423	10.607	ppbv	100
17) tert-Butyl alcohol	3.857	59	1253704	10.857	ppbv	99
18) 1,1-Dichloroethene	3.857	96	529931	10.754	ppbv	98
19) Isopropyl Alcohol	3.552	45	677412	10.078	ppbv	99
20) Methylene Chloride	3.912	84	452360	9.170	ppbv	93
21) Allyl Chloride	3.976	41	844648	11.098	ppbv	99
22) trans-1,2-Dichloroethene	4.423	96	534237	10.867	ppbv	98
23) Vinyl Acetate	4.607	43	904728	12.527	ppbv #	98
24) 1,1-Dichloroethane	4.542	63	1176205	10.850	ppbv	99
25) Ethyl Acetate	5.185	43	2627752	11.148	ppbv	99
26) Hexane	5.195	57	1097083	11.160	ppbv	97
27) Carbon Disulfide	4.102	76	1293140	12.375	ppbv	98
28) Methyl tert-Butyl Ether	4.568	73	685381	11.308	ppbv	98
29) Chloroform	5.256	83	1698119	10.556	ppbv	95
30) Cyclohexane	6.587	84	910879	12.020	ppbv	99
31) cis-1,2-Dichloroethene	5.060	61	1042806	11.174	ppbv	99
32) 1,1,1-Trichloroethane	5.986	97	1667581	11.638	ppbv	99
34) 2-Butanone	4.767	43	1318783	9.658	ppbv	100
35) Carbon Tetrachloride	6.478	117	1715596	12.210	ppbv	98
36) Benzene	6.356	78	2305598	11.593	ppbv	99
37) 1,2-Dichloroethane	5.790	62	1277029	11.067	ppbv	99
38) Trichloroethene	7.278	130	1170492	11.429	ppbv	97
39) 1,2-Dichloropropane	7.060	63	894453	11.055	ppbv	99
40) 1,4-Dioxane	7.272	88	377445	12.376	ppbv #	96
41) Tetrahydrofuran	5.539	42	923625	12.291	ppbv	100
42) Bromodichloromethane	7.237	83	1822620	11.353	ppbv	100
43) Methyl Methacrylate	7.462	69	897460	12.610	ppbv	99
44) 2,2,4-Trimethylpentane	7.314	57	3918677	11.389	ppbv	100
45) t-1,3-Dichloropropene	8.700	75	683353	11.909	ppbv	100

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.130	75	998442	11.877	ppbv	99
47) 1,1,2-Trichloroethane	8.886	97	949486	11.053	ppbv	99
48) Dibromochloromethane	9.700	129	1541418	11.843	ppbv	99
49) Bromoform	12.397	173	1334389	11.943	ppbv	99
50) 4-Methyl-2-Pentanone	8.166	43	2561701	12.148	ppbv	100
51) 2-Hexanone	9.539	43	2035827	12.763	ppbv	100
52) Tetrachloroethene	10.603	164	843817	11.717	ppbv	99
53) Toluene	9.208	91	2654705	12.575	ppbv	99
54) 1,2-Dibromoethane	9.999	107	1260557	11.916	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.497	131	1156633	10.987	ppbv	100
57) Chlorobenzene	11.519	112	2045007	10.520	ppbv	98
58) Ethyl Benzene	12.079	91	3552401	12.308	ppbv	99
59) m/p-Xylene	12.362	91	6017557m	23.425	ppbv	
60) o-Xylene	13.050	91	2892079	11.742	ppbv	100
61) Styrene	12.889	104	1398140	13.588	ppbv	100
62) Isopropylbenzene	14.021	105	4200430	11.257	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.040	83	1509931	11.991	ppbv	99
64) n-propylbenzene	14.908	120	1124454	11.669	ppbv	100
65) tert-Butylbenzene	16.082	119	3757704	10.986	ppbv	100
66) Benzyl Chloride	16.320	91	209775	11.798	ppbv	98
67) sec-Butylbenzene	16.625	105	5272388	11.111	ppbv	100
69) p-Isopropyltoluene	16.989	119	4400271	11.456	ppbv	100
70) n-Butylbenzene	17.876	91	4506796	11.200	ppbv	100
71) 2-Chlorotoluene	14.793	91	3142069	11.445	ppbv	99
72) 4-Ethyltoluene	15.185	105	3448647	11.979	ppbv	100
73) 1,3,5-Trimethylbenzene	15.342	105	2940637	11.567	ppbv	97
74) 1,2,4-Trimethylbenzene	16.098	105	3257774	10.948	ppbv	98
75) 1,3-Dichlorobenzene	16.323	146	1961326	10.518	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	1903666	10.653	ppbv	99
77) 1,2-Dichlorobenzene	17.133	146	1900904	10.325	ppbv	100
78) Hexachloro-1,3-Butadiene	22.628	225	1352047m	8.903	ppbv	
79) Naphthalene	21.374	128	2670153	12.193	ppbv	99
80) Naphthalene,2-methyl-	24.368	142	1023004	6.667	ppbv	100
81) 1,2,4-Trichlorobenzene	21.130	180	1415504	10.167	ppbv	99

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

