

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073124\
 Data File : VL041453.D
 Acq On : 31 Jul 2024 8:07
 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 08/01/2024
 Supervised By : Mahesh Dadoda 08/01/2024

Quant Time: Aug 01 02:37:30 2024

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 01 2024

QLast Update : Thu Aug 01 02:36:30 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1056218	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2891752	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2826699	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 2181421 10.028 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.729	85	1451857	7.990	ppbv	98
3) Chlorodifluoromethane	2.674	51	1258920	10.012	ppbv	99
4) Chloromethane	2.812	50	653767	9.776	ppbv	99
5) Vinyl Chloride	2.922	62	665911	10.102	ppbv	100
6) Bromomethane	3.121	94	350958	10.359	ppbv	99
7) Chloroethane	3.198	64	237193	10.426	ppbv	96
8) Dichlorotetrafluoroethane	2.857	85	1591117	9.883	ppbv	99
9) Propene	2.693	41	584367	10.117	ppbv	98
10) Heptane	7.584	43	1408075	10.850	ppbv	100
11) Trichlorofluoromethane	3.565	101	1598882	9.908	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.066	101	1122400	9.659	ppbv	98
13) Ethanol	3.247	45	36995	7.166	ppbv	88
14) Bromoethene	3.365	108	473240	10.446	ppbv	99
15) Acetone	3.468	43	1175492	9.795	ppbv	100
16) 1,3-Butadiene	2.986	39	654179	10.203	ppbv	100
17) tert-Butyl alcohol	3.877	59	1239642	11.326	ppbv	100
18) 1,1-Dichloroethene	3.880	96	518648	10.434	ppbv	94
19) Isopropyl Alcohol	3.574	45	782984	11.160	ppbv	99
20) Methylene Chloride	3.935	84	425308	9.504	ppbv	97
21) Allyl Chloride	3.996	41	811870	10.316	ppbv	97
22) trans-1,2-Dichloroethene	4.446	96	514987	10.362	ppbv	99
23) Vinyl Acetate	4.629	43	1035280	11.295	ppbv	99
24) 1,1-Dichloroethane	4.565	63	1093906	10.137	ppbv	99
25) Ethyl Acetate	5.205	43	2507082	10.516	ppbv	100
26) Hexane	5.214	57	1051725	10.634	ppbv	99
27) Carbon Disulfide	4.124	76	1235826	10.681	ppbv	98
28) Methyl tert-Butyl Ether	4.587	73	646078	10.359	ppbv	99
29) Chloroform	5.275	83	1626013	10.080	ppbv	99
30) Cyclohexane	6.606	84	893897	11.099	ppbv	99
31) cis-1,2-Dichloroethene	5.082	61	1055145	10.800	ppbv	99
32) 1,1,1-Trichloroethane	6.008	97	1601401	10.198	ppbv	100
34) 2-Butanone	4.787	43	1526268	10.911	ppbv	100
35) Carbon Tetrachloride	6.497	117	1669633	10.468	ppbv	99
36) Benzene	6.375	78	2227263	10.541	ppbv	99
37) 1,2-Dichloroethane	5.809	62	1250795	10.576	ppbv	100
38) Trichloroethene	7.298	130	1008103	10.414	ppbv	98
39) 1,2-Dichloropropane	7.076	63	875613	10.824	ppbv	99
40) 1,4-Dioxane	7.291	88	363754	11.193	ppbv	96
41) Tetrahydrofuran	5.558	42	929664	11.620	ppbv	99
42) Bromodichloromethane	7.256	83	1791366	10.490	ppbv	98
43) Methyl Methacrylate	7.478	69	903880	11.929	ppbv	99
44) 2,2,4-Trimethylpentane	7.333	57	3737752	10.591	ppbv	100
45) t-1,3-Dichloropropene	8.713	75	917856	13.161	ppbv	95

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

QLast Update : Thu Aug 01 02:36:30 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	1223759	12.151	ppbv	95
47) 1,1,2-Trichloroethane	8.905	97	930770	10.438	ppbv	99
48) Dibromochloromethane	9.719	129	1549666	10.788	ppbv	100
49) Bromoform	12.413	173	1349001	11.117	ppbv	99
50) 4-Methyl-2-Pentanone	8.185	43	2490766	11.286	ppbv	100
51) 2-Hexanone	9.552	43	2023084	12.123	ppbv	100
52) Tetrachloroethene	10.622	164	859219	10.524	ppbv	97
53) Toluene	9.227	91	2637897	11.208	ppbv	100
54) 1,2-Dibromoethane	10.015	107	1351830	11.390	ppbv	94
56) 1,1,1,2-Tetrachloroethane	11.516	131	1119746	10.215	ppbv #	55
57) Chlorobenzene	11.536	112	2033707	10.105	ppbv	99
58) Ethyl Benzene	12.098	91	3557954	10.920	ppbv	99
59) m/p-Xylene	12.378	91	5966489m	21.214	ppbv	
60) o-Xylene	13.066	91	2839908	10.674	ppbv	99
61) Styrene	12.905	104	1425542	11.876	ppbv	99
62) Isopropylbenzene	14.037	105	4168862	10.307	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.056	83	1738046	10.345	ppbv	100
64) n-propylbenzene	14.921	120	1121299	10.604	ppbv	98
65) tert-Butylbenzene	16.095	119	3749291	10.263	ppbv	100
66) Benzyl Chloride	16.336	91	291792	12.453	ppbv	99
67) sec-Butylbenzene	16.641	105	5246091	10.423	ppbv	100
69) p-Isopropyltoluene	17.002	119	4386478	10.502	ppbv	100
70) n-Butylbenzene	17.892	91	4550383	10.627	ppbv	100
71) 2-Chlorotoluene	14.806	91	3131546	10.499	ppbv	99
72) 4-Ethyltoluene	15.198	105	3437522	10.974	ppbv	100
73) 1,3,5-Trimethylbenzene	15.359	105	2942554	10.905	ppbv	99
74) 1,2,4-Trimethylbenzene	16.117	105	3253415	10.370	ppbv	96
75) 1,3-Dichlorobenzene	16.339	146	2045897	10.374	ppbv	100
76) 1,4-Dichlorobenzene	16.481	146	2032848	10.646	ppbv	98
77) 1,2-Dichlorobenzene	17.149	146	1979755	10.127	ppbv	99
78) Hexachloro-1,3-Butadiene	22.638	225	1513614	9.079	ppbv	99
79) Naphthalene	21.390	128	3395303	12.262	ppbv	99
80) Naphthalene,2-methyl-	24.377	142	2977660	12.829	ppbv	99
81) 1,2,4-Trichlorobenzene	21.146	180	1792242	10.876	ppbv	100

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

