

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080524\
 Data File : VL041492.D
 Acq On : 5 Aug 2024 8:15
 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 08/09/2024
 Supervised By : Mahesh Dadoda 08/09/2024

Quant Time: Aug 06 01:34:34 2024

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

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

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	5.189	49	1034046	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2823238	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2874604m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.767 95 2015007 9.109 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 91.100%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.732	85	1248605m	7.019	ppbv
3) Chlorodifluoromethane	2.677	51	1236944	10.048	ppbv 99
4) Chloromethane	2.816	50	649025	9.913	ppbv 100
5) Vinyl Chloride	2.922	62	653881	10.132	ppbv 97
6) Bromomethane	3.121	94	342336	10.321	ppbv 97
7) Chloroethane	3.198	64	227428	10.211	ppbv 94
8) Dichlorotetrafluoroethane	2.861	85	1555334	9.867	ppbv 98
9) Propene	2.697	41	540835	9.564	ppbv 98
10) Heptane	7.574	43	1388315	10.927	ppbv 99
11) Trichlorofluoromethane	3.562	101	1566621	9.916	ppbv 99
12) 1,1,2-Trichlorotrifluo...	4.063	101	1139577	10.017	ppbv 99
13) Ethanol	3.243	45	40474m	8.008	ppbv
14) Bromoethene	3.365	108	460339	10.380	ppbv 99
15) Acetone	3.468	43	1162748	9.897	ppbv 100
16) 1,3-Butadiene	2.986	39	650065	10.356	ppbv 100
17) tert-Butyl alcohol	3.877	59	1155069	10.780	ppbv 100
18) 1,1-Dichloroethene	3.880	96	514349	10.570	ppbv 99
19) Isopropyl Alcohol	3.574	45	721665	10.507	ppbv # 98
20) Methylene Chloride	3.931	84	417957	9.540	ppbv 96
21) Allyl Chloride	3.996	41	808639	10.495	ppbv 98
22) trans-1,2-Dichloroethene	4.443	96	517510	10.636	ppbv 99
23) Vinyl Acetate	4.626	43	1036523	11.551	ppbv 98
24) 1,1-Dichloroethane	4.562	63	1089139	10.309	ppbv 99
25) Ethyl Acetate	5.201	43	2473611	10.598	ppbv 99
26) Hexane	5.211	57	1019904	10.533	ppbv 99
27) Carbon Disulfide	4.124	76	1207438	10.660	ppbv 99
28) Methyl tert-Butyl Ether	4.581	73	630195	10.321	ppbv 100
29) Chloroform	5.272	83	1606698	10.173	ppbv 99
30) Cyclohexane	6.597	84	894332	11.342	ppbv 98
31) cis-1,2-Dichloroethene	5.076	61	1019566	10.659	ppbv 98
32) 1,1,1-Trichloroethane	5.999	97	1573647	10.236	ppbv 100
34) 2-Butanone	4.783	43	1485469	10.877	ppbv 99
35) Carbon Tetrachloride	6.491	117	1659946	10.660	ppbv 98
36) Benzene	6.369	78	2193743	10.634	ppbv 98
37) 1,2-Dichloroethane	5.806	62	1229718	10.651	ppbv 100
38) Trichloroethene	7.288	130	991953	10.496	ppbv 98
39) 1,2-Dichloropropane	7.069	63	845993	10.712	ppbv 97
40) 1,4-Dioxane	7.278	88	322874	10.177	ppbv 76
41) Tetrahydrofuran	5.552	42	871951	11.163	ppbv 100
42) Bromodichloromethane	7.246	83	1774615	10.644	ppbv 99
43) Methyl Methacrylate	7.468	69	866253	11.710	ppbv 96
44) 2,2,4-Trimethylpentane	7.320	57	3668281	10.646	ppbv 100
45) t-1,3-Dichloropropene	8.706	75	888906	13.055	ppbv 99

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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

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	8.140	75	1197773	12.182	ppbv	96
47) 1,1,2-Trichloroethane	8.893	97	912598	10.483	ppbv	97
48) Dibromochloromethane	9.706	129	1536211	10.953	ppbv	99
49) Bromoform	12.400	173	1362852	11.504	ppbv	99
50) 4-Methyl-2-Pentanone	8.176	43	2441373	11.330	ppbv	99
51) 2-Hexanone	9.545	43	2003191	12.295	ppbv	98
52) Tetrachloroethene	10.613	164	833142	10.452	ppbv	96
53) Toluene	9.217	91	2584060	11.246	ppbv	99
54) 1,2-Dibromoethane	10.005	107	1319578	11.388	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.503	131	1103662	9.900	ppbv #	56
57) Chlorobenzene	11.519	112	2006819	9.805	ppbv	99
58) Ethyl Benzene	12.085	91	3481919	10.509	ppbv	97
59) m/p-Xylene	12.368	91	5878850m	20.554	ppbv	
60) o-Xylene	13.053	91	2816993	10.411	ppbv	100
61) Styrene	12.892	104	1397860	11.452	ppbv	99
62) Isopropylbenzene	14.021	105	4123045	10.024	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.040	83	1734357	10.151	ppbv	100
64) n-propylbenzene	14.912	120	1103072	10.258	ppbv	96
65) tert-Butylbenzene	16.082	119	3704329	9.971	ppbv	100
66) Benzyl Chloride	16.320	91	288869	12.123	ppbv	99
67) sec-Butylbenzene	16.629	105	5184615	10.129	ppbv	100
69) p-Isopropyltoluene	16.989	119	4357796	10.259	ppbv	100
70) n-Butylbenzene	17.879	91	4519257	10.379	ppbv	100
71) 2-Chlorotoluene	14.793	91	3114664	10.268	ppbv	99
72) 4-Ethyltoluene	15.188	105	3411948	10.711	ppbv	99
73) 1,3,5-Trimethylbenzene	15.346	105	2916730	10.629	ppbv	99
74) 1,2,4-Trimethylbenzene	16.101	105	3255434	10.204	ppbv	99
75) 1,3-Dichlorobenzene	16.323	146	2022267	10.084	ppbv	100
76) 1,4-Dichlorobenzene	16.465	146	1993472	10.266	ppbv	99
77) 1,2-Dichlorobenzene	17.137	146	1972219	9.920	ppbv	100
78) Hexachloro-1,3-Butadiene	22.622	225	1478216	8.719	ppbv	99
79) Naphthalene	21.371	128	3345463	11.880	ppbv	100
80) Naphthalene,2-methyl-	24.361	142	2971534	12.589	ppbv	97
81) 1,2,4-Trichlorobenzene	21.130	180	1763021	10.521	ppbv	99

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

