

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112124\
 Data File : VL041713.D
 Acq On : 21 Nov 2024 10:16
 Operator : SY/MD
 Sample : VL1121ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1121ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2024
 Supervised By :Mahesh Dadoda 11/22/2024

Quant Time: Nov 22 01:06:55 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M

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

QLast Update : Fri Nov 22 01:00:55 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.227	49	1134955	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.687	114	3168983	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.500	117	2890162m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.806 95 2215094 10.402 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 104.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.764	85	1630144	7.947	ppbv	98
3) Chlorodifluoromethane	2.706	51	1285062	8.690	ppbv	99
4) Chloromethane	2.848	50	716415	9.146	ppbv	96
5) Vinyl Chloride	2.954	62	682024	9.680	ppbv	100
6) Bromomethane	3.153	94	304189	8.138	ppbv	98
7) Chloroethane	3.230	64	237287	9.227	ppbv	98
8) Dichlorotetrafluoroethane	2.890	85	1655625	9.041	ppbv	99
9) Propene	2.729	41	588833	9.138	ppbv	100
10) Heptane	7.613	43	1461776	10.124	ppbv	99
11) Trichlorofluoromethane	3.594	101	1648437	9.226	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.099	101	1220108	9.395	ppbv	98
13) Ethanol	3.292	45	19898m	5.043	ppbv	
14) Bromoethene	3.401	108	483950	9.269	ppbv	98
15) Acetone	3.501	43	1224405	8.766	ppbv	100
16) 1,3-Butadiene	3.018	39	687757	9.758	ppbv	100
17) tert-Butyl alcohol	3.912	59	1149012	9.374	ppbv	100
18) 1,1-Dichloroethene	3.915	96	535425	9.400	ppbv	97
19) Isopropyl Alcohol	3.610	45	625847	9.374	ppbv	100
20) Methylene Chloride	3.967	84	445518	8.668	ppbv	98
21) Allyl Chloride	4.031	41	833062	9.652	ppbv	97
22) trans-1,2-Dichloroethene	4.478	96	536875	9.479	ppbv	100
23) Vinyl Acetate	4.658	43	757071	12.295	ppbv #	97
24) 1,1-Dichloroethane	4.597	63	1176486	9.307	ppbv	99
25) Ethyl Acetate	5.237	43	2679235	9.267	ppbv	99
26) Hexane	5.246	57	1065415	9.591	ppbv	98
27) Carbon Disulfide	4.156	76	1327851	10.640	ppbv	99
28) Methyl tert-Butyl Ether	4.619	73	670312	9.371	ppbv	99
29) Chloroform	5.308	83	1693486	9.236	ppbv	100
30) Cyclohexane	6.635	84	903309	9.550	ppbv	98
31) cis-1,2-Dichloroethene	5.111	61	1042430	9.755	ppbv	99
32) 1,1,1-Trichloroethane	6.037	97	1669061	9.978	ppbv	100
34) 2-Butanone	4.819	43	1417727	8.985	ppbv	99
35) Carbon Tetrachloride	6.529	117	1741838	10.418	ppbv	99
36) Benzene	6.404	78	2312069	9.847	ppbv	100
37) 1,2-Dichloroethane	5.841	62	1284047	9.693	ppbv	99
38) Trichloroethene	7.327	130	1289883	14.303	ppbv	98
39) 1,2-Dichloropropane	7.105	63	891656	9.610	ppbv	97
40) 1,4-Dioxane	7.317	88	363295	10.912	ppbv	90
41) Tetrahydrofuran	5.590	42	934965	10.375	ppbv	99
42) Bromodichloromethane	7.285	83	1839599	9.994	ppbv	99
43) Methyl Methacrylate	7.507	69	901641	10.937	ppbv	99
44) 2,2,4-Trimethylpentane	7.359	57	3894162	9.791	ppbv	100
45) t-1,3-Dichloropropene	8.745	75	748133	9.931	ppbv	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.179	75	1103972	10.203	ppbv	98
47) 1,1,2-Trichloroethane	8.934	97	949123	9.451	ppbv	98
48) Dibromochloromethane	9.745	129	1553797	10.178	ppbv	100
49) Bromoform	12.439	173	1365111	10.451	ppbv	100
50) 4-Methyl-2-Pentanone	8.214	43	2511109	10.366	ppbv	100
51) 2-Hexanone	9.584	43	1968115	11.157	ppbv	100
52) Tetrachloroethene	10.648	164	833665	10.419	ppbv	97
53) Toluene	9.253	91	2633054	10.664	ppbv	99
54) 1,2-Dibromoethane	10.040	107	1247128	10.629	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.542	131	1158400	9.718	ppbv	100
57) Chlorobenzene	11.561	112	2078199	9.722	ppbv	99
58) Ethyl Benzene	12.121	91	3565857	11.254	ppbv	98
59) m/p-Xylene	12.404	91	6079786m	21.427	ppbv	
60) o-Xylene	13.089	91	2972199	10.985	ppbv	99
61) Styrene	12.931	104	1410360	12.630	ppbv	100
62) Isopropylbenzene	14.060	105	4263154	10.202	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.079	83	1179536	5.927	ppbv	99
64) n-propylbenzene	14.947	120	1146628	10.482	ppbv	99
65) tert-Butylbenzene	16.121	119	3836581	10.215	ppbv	100
66) Benzyl Chloride	16.359	91	179175	6.202	ppbv	96
67) sec-Butylbenzene	16.664	105	5364091	10.134	ppbv	100
69) p-Isopropyltoluene	17.027	119	4458745	10.419	ppbv	100
70) n-Butylbenzene	17.918	91	4604740	10.517	ppbv	100
71) 2-Chlorotoluene	14.835	91	3223209	10.671	ppbv	99
72) 4-Ethyltoluene	15.224	105	3514757	11.173	ppbv	99
73) 1,3,5-Trimethylbenzene	15.381	105	2999740	10.867	ppbv	100
74) 1,2,4-Trimethylbenzene	16.140	105	3320988	10.358	ppbv	97
75) 1,3-Dichlorobenzene	16.362	146	2028386	10.215	ppbv	100
76) 1,4-Dichlorobenzene	16.506	146	1989769	10.386	ppbv	99
77) 1,2-Dichlorobenzene	17.175	146	1974338	10.037	ppbv	99
78) Hexachloro-1,3-Butadiene	22.670	225	1371815	8.817	ppbv	99
79) Naphthalene	21.419	128	2632672	13.302	ppbv	99
80) Naphthalene,2-methyl-	24.403	142	1177283	27.288	ppbv	96
81) 1,2,4-Trichlorobenzene	21.175	180	1367312m	10.986	ppbv	

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

