

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062624\
 Data File : VL041359.D
 Acq On : 26 Jun 2024 14:46
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL062624

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 06/27/2024
 Supervised By : Mahesh Dadoda 06/27/2024

Quant Time: Jun 26 15:27:53 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL062624AIR.M

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

QLast Update : Wed Jun 26 13:36:23 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.224	49	1119741	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.684	114	2962516	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.487	117	2794934m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.796 95 2104121 10.044 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.400%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.771	85	1522961m	7.971	ppbv
3) Chlorodifluoromethane	2.716	51	1659170	8.593	ppbv 100
4) Chloromethane	2.854	50	646855	8.767	ppbv 98
5) Vinyl Chloride	2.960	62	683799	8.576	ppbv 100
6) Bromomethane	3.160	94	229761	9.110	ppbv 97
7) Chloroethane	3.237	64	243135	9.230	ppbv 98
8) Dichlorotetrafluoroethane	2.896	85	1641541	8.839	ppbv 98
9) Propene	2.735	41	589082	8.817	ppbv 99
10) Heptane	7.603	43	1421605	9.059	ppbv 100
11) Trichlorofluoromethane	3.600	101	1627327	8.749	ppbv 98
12) 1,1,2-Trichlorotrifluo...	4.102	101	1150983	8.830	ppbv 99
13) Ethanol	3.282	45	142496	9.614	ppbv 86
14) Bromoethene	3.404	108	483336	9.244	ppbv 98
15) Acetone	3.507	43	1235736	8.356	ppbv 98
16) 1,3-Butadiene	3.025	39	687901	9.773	ppbv 100
17) tert-Butyl alcohol	3.915	59	1295616	11.356	ppbv 99
18) 1,1-Dichloroethene	3.915	96	530407	9.256	ppbv 99
19) Isopropyl Alcohol	3.616	45	948725	11.686	ppbv # 98
20) Methylene Chloride	3.970	84	436141	8.128	ppbv 97
21) Allyl Chloride	4.031	41	804254	9.016	ppbv 98
22) trans-1,2-Dichloroethene	4.478	96	514776	9.045	ppbv 95
23) Vinyl Acetate	4.661	43	1538017	10.550	ppbv 99
24) 1,1-Dichloroethane	4.597	63	1122935	8.885	ppbv 99
25) Ethyl Acetate	5.234	43	2476595	9.095	ppbv 99
26) Hexane	5.243	57	1067207	8.850	ppbv 97
27) Carbon Disulfide	4.156	76	1380367	9.409	ppbv 99
28) Methyl tert-Butyl Ether	4.619	73	861876	9.637	ppbv 97
29) Chloroform	5.308	83	1632880	8.777	ppbv 98
30) Cyclohexane	6.629	84	903111	9.402	ppbv 100
31) cis-1,2-Dichloroethene	5.111	61	1066604	9.227	ppbv 99
32) 1,1,1-Trichloroethane	6.034	97	1635912	8.378	ppbv 99
34) 2-Butanone	4.819	43	1499303	9.590	ppbv 100
35) Carbon Tetrachloride	6.523	117	1669878	8.535	ppbv 99
36) Benzene	6.401	78	2246157	9.161	ppbv 99
37) 1,2-Dichloroethane	5.838	62	1279475	9.095	ppbv 100
38) Trichloroethene	7.320	130	861200	8.063	ppbv 99
39) 1,2-Dichloropropane	7.102	63	869377	9.176	ppbv 96
40) 1,4-Dioxane	7.314	88	323768	10.659	ppbv # 11
41) Tetrahydrofuran	5.587	42	957334	9.887	ppbv 100
42) Bromodichloromethane	7.279	83	1826954	9.282	ppbv 98
43) Methyl Methacrylate	7.500	69	924507	10.037	ppbv 97
44) 2,2,4-Trimethylpentane	7.352	57	3750382	9.001	ppbv 99
45) t-1,3-Dichloropropene	8.735	75	634792	10.889	ppbv 93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.169	75	768677	9.806	ppbv	99
47) 1,1,2-Trichloroethane	8.925	97	907996	8.935	ppbv	96
48) Dibromochloromethane	9.735	129	1541096	9.443	ppbv	100
49) Bromoform	12.429	173	1250675	9.623	ppbv	100
50) 4-Methyl-2-Pentanone	8.208	43	2343996	9.337	ppbv	100
51) 2-Hexanone	9.574	43	1691720	9.480	ppbv #	100
52) Tetrachloroethene	10.639	164	797472	8.100	ppbv	97
53) Toluene	9.243	91	2586820	9.355	ppbv	99
54) 1,2-Dibromoethane	10.034	107	1206886	9.596	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.532	131	1108883	8.817	ppbv	96
57) Chlorobenzene	11.548	112	1925062	8.780	ppbv	99
58) Ethyl Benzene	12.111	91	3409008	9.117	ppbv	100
59) m/p-Xylene	12.391	91	5820975m	17.987	ppbv	
60) o-Xylene	13.079	91	2701531	8.845	ppbv	99
61) Styrene	12.915	104	1450200	9.777	ppbv	97
62) Isopropylbenzene	14.050	105	4141095	8.782	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.066	83	1950007	8.104	ppbv	99
64) n-propylbenzene	14.937	120	1086525	8.827	ppbv	99
65) tert-Butylbenzene	16.111	119	3683728	8.774	ppbv	100
66) Benzyl Chloride	16.349	91	262804	9.526	ppbv	97
67) sec-Butylbenzene	16.654	105	5194995	8.749	ppbv	100
69) p-Isopropyltoluene	17.014	119	4356509	8.883	ppbv	100
70) n-Butylbenzene	17.902	91	4535784	9.048	ppbv	100
71) 2-Chlorotoluene	14.818	91	3151994	8.998	ppbv	100
72) 4-Ethyltoluene	15.211	105	3340662	9.183	ppbv	99
73) 1,3,5-Trimethylbenzene	15.368	105	2853378	9.164	ppbv	100
74) 1,2,4-Trimethylbenzene	16.127	105	3169293	9.033	ppbv	95
75) 1,3-Dichlorobenzene	16.352	146	1916110	9.206	ppbv	99
76) 1,4-Dichlorobenzene	16.490	146	1862388	8.981	ppbv	100
77) 1,2-Dichlorobenzene	17.162	146	1869075	8.808	ppbv	99
78) Hexachloro-1,3-Butadiene	22.657	225	1277841	8.280	ppbv	100
79) Naphthalene	21.413	128	2377546	12.599	ppbv	100
80) Naphthalene,2-methyl-	24.410	142	18426m	37.102	ppbv	
81) 1,2,4-Trichlorobenzene	21.169	180	1280437	10.979	ppbv	99

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

