

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112122\
 Data File : VL039907.D
 Acq On : 21 Nov 2022 12:17
 Operator : SY/AP
 Sample : VL1121ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1121ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/22/2022
 Supervised By : Mahesh Dadoda 11/24/2022

Quant Time: Nov 22 03:47:24 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2022

QLast Update : Tue Nov 22 03:45:31 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.160	49	1170072	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.623	114	3517863	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.445	117	3332180	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.754 95 2570705 10.100 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.700	85	1831056	10.927	ppbv	96
3) Chlorodifluoromethane	2.645	51	1552401	9.615	ppbv	96
4) Chloromethane	2.783	50	1001634	9.708	ppbv	94
5) Vinyl Chloride	2.890	62	854986	10.605	ppbv	98
6) Bromomethane	3.089	94	297854	10.831	ppbv	99
7) Chloroethane	3.166	64	308202	9.671	ppbv	99
8) Dichlorotetrafluoroethane	2.828	85	1997292	10.438	ppbv	99
9) Propene	2.664	41	707044	9.296	ppbv	100
10) Heptane	7.549	43	1762163	9.602	ppbv	98
11) Trichlorofluoromethane	3.533	101	2136528	10.453	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.034	101	1555142	10.053	ppbv	100
13) Ethanol	3.208	45	52078m	8.969	ppbv	
14) Bromoethene	3.336	108	628024	10.410	ppbv	98
15) Acetone	3.436	43	1667726	10.746	ppbv	99
16) 1,3-Butadiene	2.954	39	790329	10.218	ppbv	100
17) tert-Butyl alcohol	3.844	59	1867897	10.468	ppbv	100
18) 1,1-Dichloroethene	3.848	96	719197	10.192	ppbv	99
19) Isopropyl Alcohol	3.542	45	824873	9.817	ppbv	88
20) Methylene Chloride	3.899	84	614471	8.172	ppbv	96
21) Allyl Chloride	3.967	41	1095713	10.178	ppbv	99
22) trans-1,2-Dichloroethene	4.414	96	747155	10.411	ppbv	96
23) Vinyl Acetate	4.594	43	652143	10.228	ppbv	99
24) 1,1-Dichloroethane	4.533	63	1510632	9.826	ppbv	99
25) Ethyl Acetate	5.172	43	2834433	9.947	ppbv	100
26) Hexane	5.182	57	1200037	9.641	ppbv	99
27) Carbon Disulfide	4.092	76	1808392	11.507	ppbv	100
28) Methyl tert-Butyl Ether	4.555	73	1548250	9.934	ppbv	98
29) Chloroform	5.243	83	1775904	10.736	ppbv	100
30) Cyclohexane	6.571	84	1178989	9.652	ppbv	98
31) cis-1,2-Dichloroethene	5.047	61	1205476	10.482	ppbv	97
32) 1,1,1-Trichloroethane	5.973	97	2276567	11.020	ppbv	98
34) 2-Butanone	4.754	43	1702480	10.114	ppbv	98
35) Carbon Tetrachloride	6.462	117	2327182	11.649	ppbv	98
36) Benzene	6.340	78	2975629	9.951	ppbv	99
37) 1,2-Dichloroethane	5.777	62	1730517	10.561	ppbv	99
38) Trichloroethene	7.266	130	1661546	9.940	ppbv	99
39) 1,2-Dichloropropane	7.047	63	1126218	9.667	ppbv	98
40) 1,4-Dioxane	7.259	88	458808	9.886	ppbv	94
41) Tetrahydrofuran	5.526	42	1126697	9.695	ppbv	98
42) Bromodichloromethane	7.221	83	2457826	11.060	ppbv	99
43) Methyl Methacrylate	7.446	69	1201132	10.246	ppbv	99
44) 2,2,4-Trimethylpentane	7.298	57	4763863	9.543	ppbv	99
45) t-1,3-Dichloropropene	8.684	75	1257391	11.609	ppbv	100

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.114	75	1611303	10.739	ppbv	95
47) 1,1,2-Trichloroethane	8.873	97	1210339	10.109	ppbv	98
48) Dibromochloromethane	9.683	129	2073507	11.824	ppbv	99
49) Bromoform	12.384	173	1696934	11.954	ppbv	99
50) 4-Methyl-2-Pentanone	8.156	43	3007920	9.977	ppbv	99
51) 2-Hexanone	9.526	43	2412698	10.309	ppbv #	98
52) Tetrachloroethene	10.590	164	1060224	9.478	ppbv	98
53) Toluene	9.192	91	3372915	9.902	ppbv	100
54) 1,2-Dibromoethane	9.982	107	1429715	11.189	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.484	131	1466182	10.764	ppbv	98
57) Chlorobenzene	11.503	112	2595551	10.188	ppbv	98
58) Ethyl Benzene	12.069	91	4551514	10.068	ppbv	98
59) m/p-Xylene	12.352	91	7625535m	20.154	ppbv	
60) o-Xylene	13.040	91	3657063	10.135	ppbv	100
61) Styrene	12.876	104	2265592	10.519	ppbv	99
62) Isopropylbenzene	14.011	105	5241187	10.073	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.027	83	1255127	10.417	ppbv	100
64) n-propylbenzene	14.899	120	1399569	10.282	ppbv	96
65) tert-Butylbenzene	16.072	119	4643248	10.201	ppbv	100
66) Benzyl Chloride	16.313	91	472387	12.110	ppbv	99
67) sec-Butylbenzene	16.622	105	6432508	10.278	ppbv	99
69) p-Isopropyltoluene	16.982	119	5360052	10.397	ppbv	99
70) n-Butylbenzene	17.873	91	5427531	10.619	ppbv	99
71) 2-Chlorotoluene	14.780	91	4010675	10.169	ppbv	99
72) 4-Ethyltoluene	15.175	105	4303646	10.611	ppbv	99
73) 1,3,5-Trimethylbenzene	15.333	105	3874551	10.436	ppbv	99
74) 1,2,4-Trimethylbenzene	16.092	105	4106903	10.448	ppbv	94
75) 1,3-Dichlorobenzene	16.313	146	2344893	10.603	ppbv	99
76) 1,4-Dichlorobenzene	16.458	146	2306900	10.522	ppbv	98
77) 1,2-Dichlorobenzene	17.127	146	2253794	10.571	ppbv	99
78) Hexachloro-1,3-Butadiene	22.625	225	1570884	10.618	ppbv	99
79) Naphthalene	21.374	128	3218888	13.683	ppbv	99
80) Naphthalene,2-methyl-	24.371	142	1064230	16.084	ppbv	96
81) 1,2,4-Trichlorobenzene	21.133	180	1721056	11.847	ppbv	99

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

