

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
 Data File : VL039638.D
 Acq On : 21 Sep 2022 16:59
 Operator : SY/AP
 Sample : VL0921ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0921ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/22/2022
 Supervised By : Mahesh Dadoda 09/28/2022

Quant Time: Sep 22 08:16:34 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M

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

QLast Update : Mon Sep 19 14:26:28 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.214	49	1167714	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	3030703	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.481	117	3096845m	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.793 95 2273362 9.834 ppbv 0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.755	85	1217499	8.993	ppbv	100
3) Chlorodifluoromethane	2.703	51	1198671	8.650	ppbv	97
4) Chloromethane	2.841	50	752489	8.999	ppbv	99
5) Vinyl Chloride	2.948	62	635546	9.118	ppbv	96
6) Bromomethane	3.147	94	231451	9.004	ppbv	96
7) Chloroethane	3.224	64	232680	9.128	ppbv	96
8) Dichlorotetrafluoroethane	2.883	85	1466891	9.033	ppbv	96
9) Propene	2.719	41	559856	8.846	ppbv	97
10) Heptane	7.597	43	1385803	9.383	ppbv	99
11) Trichlorofluoromethane	3.587	101	1484986	8.858	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.089	101	1110852	8.773	ppbv	98
13) Ethanol	3.263	45	11134	2.309	ppbv #	23
14) Bromoethene	3.391	108	475430	9.405	ppbv	98
15) Acetone	3.494	43	1102617	8.486	ppbv	100
16) 1,3-Butadiene	3.012	39	605661	9.188	ppbv	99
17) tert-Butyl alcohol	3.902	59	1005879	8.626	ppbv	100
18) 1,1-Dichloroethene	3.906	96	509052	9.137	ppbv	97
19) Isopropyl Alcohol	3.597	45	576861	8.709	ppbv	98
20) Methylene Chloride	3.957	84	429868	7.155	ppbv	95
21) Allyl Chloride	4.021	41	805438	9.103	ppbv	97
22) trans-1,2-Dichloroethene	4.468	96	496217	9.003	ppbv	97
23) Vinyl Acetate	4.648	43	460171	7.834	ppbv #	98
24) 1,1-Dichloroethane	4.587	63	1007640	8.614	ppbv	98
25) Ethyl Acetate	5.227	43	2471569	8.723	ppbv	99
26) Hexane	5.237	57	1019862	8.482	ppbv	96
27) Carbon Disulfide	4.150	76	1276870	10.105	ppbv	99
28) Methyl tert-Butyl Ether	4.613	73	873465	8.647	ppbv	99
29) Chloroform	5.295	83	1561080	8.994	ppbv	99
30) Cyclohexane	6.619	84	857983	9.215	ppbv	95
31) cis-1,2-Dichloroethene	5.102	61	999277	9.189	ppbv	97
32) 1,1,1-Trichloroethane	6.025	97	1516432	9.650	ppbv	99
34) 2-Butanone	4.809	43	1425081	9.573	ppbv	98
35) Carbon Tetrachloride	6.513	117	1599478	9.941	ppbv	97
36) Benzene	6.391	78	2145342	9.259	ppbv	96
37) 1,2-Dichloroethane	5.828	62	1155780	9.165	ppbv	99
38) Trichloroethene	7.307	130	1248198	9.968	ppbv	98
39) 1,2-Dichloropropane	7.095	63	808836	9.040	ppbv	95
40) 1,4-Dioxane	7.311	88	305797	8.370	ppbv	82
41) Tetrahydrofuran	5.581	42	842556	9.226	ppbv	99
42) Bromodichloromethane	7.269	83	1661439	9.472	ppbv	98
43) Methyl Methacrylate	7.494	69	840521	9.951	ppbv	98
44) 2,2,4-Trimethylpentane	7.346	57	3649254	9.138	ppbv	99
45) t-1,3-Dichloropropene	8.729	75	772467	10.823	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.163	75	1088083	10.709	ppbv	96
47) 1,1,2-Trichloroethane	8.915	97	872762	8.924	ppbv	95
48) Dibromochloromethane	9.725	129	1466588	9.959	ppbv	100
49) Bromoform	12.423	173	1183463	9.716	ppbv	99
50) 4-Methyl-2-Pentanone	8.201	43	2282927	9.760	ppbv	98
51) 2-Hexanone	9.571	43	1771202	10.229	ppbv	99
52) Tetrachloroethene	10.635	164	803606	9.091	ppbv	93
53) Toluene	9.240	91	2500564	9.703	ppbv	100
54) 1,2-Dibromoethane	10.024	107	1012123	9.674	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.526	131	1058010	8.454	ppbv #	51
57) Chlorobenzene	11.545	112	1873513	8.227	ppbv	97
58) Ethyl Benzene	12.108	91	3243346	9.083	ppbv	100
59) m/p-Xylene	12.388	91	5510371m	17.341	ppbv	
60) o-Xylene	13.073	91	2642127	8.707	ppbv	100
61) Styrene	12.915	104	1577267	9.651	ppbv	98
62) Isopropylbenzene	14.050	105	3820001	8.366	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.063	83	977128	8.073	ppbv	98
64) n-propylbenzene	14.931	120	1000290	8.555	ppbv	99
65) tert-Butylbenzene	16.108	119	3302836	8.187	ppbv	99
66) Benzyl Chloride	16.342	91	256898	7.998	ppbv	99
67) sec-Butylbenzene	16.654	105	4651554	8.221	ppbv	99
69) p-Isopropyltoluene	17.014	119	3877603	8.340	ppbv	99
70) n-Butylbenzene	17.902	91	3894361	8.544	ppbv	99
71) 2-Chlorotoluene	14.818	91	2775479	8.419	ppbv	98
72) 4-Ethyltoluene	15.211	105	3084283	8.903	ppbv	99
73) 1,3,5-Trimethylbenzene	15.368	105	2734651	8.627	ppbv	95
74) 1,2,4-Trimethylbenzene	16.124	105	2918382	8.213	ppbv	97
75) 1,3-Dichlorobenzene	16.346	146	1750088	8.254	ppbv	99
76) 1,4-Dichlorobenzene	16.487	146	1697977	8.006	ppbv	99
77) 1,2-Dichlorobenzene	17.159	146	1691424	8.181	ppbv	99
78) Hexachloro-1,3-Butadiene	22.648	225	1356049	8.584	ppbv	99
79) Naphthalene	21.400	128	2867399	12.228	ppbv	98
80) Naphthalene,2-methyl-	24.387	142	836888	9.492	ppbv	98
81) 1,2,4-Trichlorobenzene	21.153	180	1596741	10.367	ppbv	99

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

