

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031722\
 Data File : VL038645.D
 Acq On : 18 Mar 2022 3:39
 Operator : SY/AP
 Sample : N1645-15 0.4 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT1-2022DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/19/2022
 Supervised By : Mahesh Dadoda 03/21/2022

Quant Time: Mar 18 04:54:58 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022

QLast Update : Tue Mar 08 21:18:44 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.671	49	799499	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	7.176	114	2048258	10.000	ppbv	0.01
55) Chlorobenzene-d5	12.085	117	1725700	10.000	ppbv	# 0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.413 95 1285109 9.795 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.054	85	51921	0.430	ppbv	95
3) Chlorodifluoromethane	2.993	51	66023	0.468	ppbv	99
4) Chloromethane	3.144	50	22949	0.439	ppbv	97
5) Vinyl Chloride	3.266	62	23323m	0.445	ppbv	
6) Bromomethane	3.478	94	11379	0.404	ppbv	89
7) Chloroethane	3.565	64	7688m	0.453	ppbv	
8) Dichlorotetrafluoroethane	3.192	85	55240	0.472	ppbv	95
9) Propene	3.015	41	22054	0.443	ppbv	99
10) Heptane	8.124	43	41480	0.349	ppbv	87
11) Trichlorofluoromethane	3.954	101	49963	0.472	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.484	101	38343	0.466	ppbv	98
14) Bromoethene	3.742	108	15204	0.433	ppbv	94
15) Acetone	3.874	43	26399	0.468	ppbv #	87
16) 1,3-Butadiene	3.327	39	18967	0.419	ppbv	95
17) tert-Butyl alcohol	4.317	59	28140m	0.459	ppbv	
18) 1,1-Dichloroethene	4.288	96	15128	0.411	ppbv #	72
19) Isopropyl Alcohol	3.993	45	16555m	0.440	ppbv	
20) Methylene Chloride	4.349	84	16262	0.479	ppbv	90
21) Allyl Chloride	4.414	41	21287	0.392	ppbv	92
22) trans-1,2-Dichloroethene	4.890	96	15290	0.396	ppbv	98
23) Vinyl Acetate	5.082	43	31420	0.389	ppbv #	96
24) 1,1-Dichloroethane	5.009	63	33553	0.456	ppbv	98
25) Ethyl Acetate	5.687	43	78286	0.412	ppbv	95
26) Hexane	5.690	57	36681	0.411	ppbv	89
27) Carbon Disulfide	4.552	76	31695	0.357	ppbv	97
28) Methyl tert-Butyl Ether	5.050	73	30336	0.418	ppbv	94
29) Chloroform	5.751	83	64466	0.464	ppbv	99
30) Cyclohexane	7.131	84	31965m	0.414	ppbv	
31) cis-1,2-Dichloroethene	5.549	61	33366	0.391	ppbv	90
32) 1,1,1-Trichloroethane	6.513	97	59885	0.445	ppbv	100
34) 2-Butanone	5.266	43	21577	0.406	ppbv #	86
35) Carbon Tetrachloride	7.021	117	59071	0.423	ppbv	97
36) Benzene	6.893	78	75184	0.407	ppbv	96
37) 1,2-Dichloroethane	6.304	62	39262	0.445	ppbv	98
38) Trichloroethene	7.835	130	28953	0.392	ppbv	91
39) 1,2-Dichloropropane	7.616	63	28868	0.406	ppbv	96
40) 1,4-Dioxane	7.873	88	5069m	0.285	ppbv	
41) Tetrahydrofuran	6.079	42	14061m	0.324	ppbv	
42) Bromodichloromethane	7.796	83	57112	0.408	ppbv	97
43) Methyl Methacrylate	8.028	69	21169m	0.334	ppbv	
44) 2,2,4-Trimethylpentane	7.870	57	119664	0.383	ppbv	93
45) t-1,3-Dichloropropene	9.285	75	13258m	0.290	ppbv	
46) cis-1,3-Dichloropropene	8.703	75	19849	0.317	ppbv	97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,2-Trichloroethane	9.475	97	31787	0.439	ppbv	97
48) Dibromochloromethane	10.304	129	41335	0.359	ppbv	97
49) Bromoform	13.037	173	27279	0.310	ppbv	96
50) 4-Methyl-2-Pentanone	8.770	43	30717	0.282	ppbv	95
51) 2-Hexanone	10.163	43	12993m	0.283	ppbv	
52) Tetrachloroethene	11.224	164	25939m	0.383	ppbv	
53) Toluene	9.806	91	65482	0.332	ppbv	98
54) 1,2-Dibromoethane	10.610	107	36448	0.352	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.124	131	34735	0.494	ppbv #	1
57) Chlorobenzene	12.147	112	61585	0.467	ppbv #	96
58) Ethyl Benzene	12.712	91	79849	0.357	ppbv	97
59) m/p-Xylene	12.999	91	145801m	0.762	ppbv	
60) o-Xylene	13.693	91	66529	0.368	ppbv	99
61) Styrene	13.529	104	24472m	0.275	ppbv	
62) Isopropylbenzene	14.667	105	96510	0.387	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.680	83	62953	0.413	ppbv	95
64) n-propylbenzene	15.558	120	23180m	0.365	ppbv	
65) tert-Butylbenzene	16.748	119	90362m	0.405	ppbv	
66) Benzyl Chloride	16.986	91	5995m	0.454	ppbv	
67) sec-Butylbenzene	17.294	105	124304	0.392	ppbv	98
69) p-Isopropyltoluene	17.654	119	95971	0.366	ppbv	95
70) n-Butylbenzene	18.548	91	102271	0.366	ppbv	95
71) 2-Chlorotoluene	15.458	91	69473m	0.375	ppbv	
72) 4-Ethyltoluene	15.844	105	73955m	0.356	ppbv	
73) 1,3,5-Trimethylbenzene	15.998	105	72092m	0.374	ppbv	
74) 1,2,4-Trimethylbenzene	16.767	105	81543m	0.396	ppbv	
75) 1,3-Dichlorobenzene	16.998	146	55545	0.428	ppbv	95
76) 1,4-Dichlorobenzene	17.143	146	53777m	0.418	ppbv	
77) 1,2-Dichlorobenzene	17.818	146	53480	0.407	ppbv	91
78) Hexachloro-1,3-Butadiene	23.371	225	63994	0.500	ppbv	99
79) Naphthalene	22.198	128	53423m	0.289	ppbv	
80) Naphthalene,2-methyl-	24.976	142	2416	0.074	ppbv #	81
81) 1,2,4-Trichlorobenzene	21.924	180	39798m	0.336	ppbv	

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

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