

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032122\
 Data File : VL038659.D
 Acq On : 21 Mar 2022 20:48
 Operator : SY/AP
 Sample : N1645-15 0.45 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 03/22/2022
 Supervised By : Mahesh Dadoda 03/24/2022

Quant Time: Mar 22 03:51:01 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 22 03:51:01 2022

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.661	49	910542	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.166	114	2363628	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.076	117	2086022	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.404 95 1650444 10.320 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.050	85	72618	0.593	ppbv	98
3) Chlorodifluoromethane	2.989	51	47290	0.492	ppbv	100
4) Chloromethane	3.144	50	25839	0.489	ppbv	93
5) Vinyl Chloride	3.259	62	23405	0.436	ppbv	96
6) Bromomethane	3.475	94	12851	0.449	ppbv	94
7) Chloroethane	3.558	64	8020	0.452	ppbv	92
8) Dichlorotetrafluoroethane	3.189	85	60523	0.495	ppbv	97
9) Propene	3.015	41	21784	0.469	ppbv	99
10) Heptane	8.111	43	44576m	0.402	ppbv	
11) Trichlorofluoromethane	3.948	101	56005m	0.518	ppbv	
12) 1,1,2-Trichlorotrifluo...	4.484	101	40578	0.488	ppbv	97
13) Ethanol	3.623	45	3123m	0.610	ppbv	
14) Bromoethene	3.742	108	17008	0.460	ppbv #	96
15) Acetone	3.864	43	41889m	0.533	ppbv	
16) 1,3-Butadiene	3.330	39	16449	0.369	ppbv #	79
17) tert-Butyl alcohol	4.308	59	31389m	0.457	ppbv	
18) 1,1-Dichloroethene	4.292	96	17295	0.463	ppbv	88
19) Isopropyl Alcohol	3.989	45	20004m	0.459	ppbv	
20) Methylene Chloride	4.343	84	17509m	0.529	ppbv	
21) Allyl Chloride	4.407	41	23273	0.412	ppbv #	85
22) trans-1,2-Dichloroethene	4.883	96	16162	0.417	ppbv	98
23) Vinyl Acetate	5.076	43	27751	0.365	ppbv #	92
24) 1,1-Dichloroethane	5.009	63	31582	0.422	ppbv	98
25) Ethyl Acetate	5.684	43	84874	0.429	ppbv	97
26) Hexane	5.681	57	35440	0.400	ppbv #	83
27) Carbon Disulfide	4.552	76	36472	0.420	ppbv	97
28) Methyl tert-Butyl Ether	5.047	73	29081	0.441	ppbv	98
29) Chloroform	5.745	83	63148	0.445	ppbv	99
30) Cyclohexane	7.124	84	31168	0.405	ppbv #	85
31) cis-1,2-Dichloroethene	5.546	61	31943	0.384	ppbv	90
32) 1,1,1-Trichloroethane	6.500	97	61028m	0.446	ppbv	
34) 2-Butanone	5.259	43	45446	0.486	ppbv	93
35) Carbon Tetrachloride	7.012	117	58909	0.430	ppbv	96
36) Benzene	6.883	78	75071	0.412	ppbv	99
37) 1,2-Dichloroethane	6.301	62	40633	0.438	ppbv	100
38) Trichloroethene	7.825	130	32166m	0.421	ppbv	
39) 1,2-Dichloropropane	7.610	63	33951m	0.476	ppbv	
40) 1,4-Dioxane	7.870	88	10517m	0.425	ppbv	
41) Tetrahydrofuran	6.070	42	26776m	0.385	ppbv	
42) Bromodichloromethane	7.783	83	61780	0.444	ppbv	94
43) Methyl Methacrylate	8.015	69	22988	0.339	ppbv	93
44) 2,2,4-Trimethylpentane	7.864	57	126901	0.414	ppbv	93
45) t-1,3-Dichloropropene	9.266	75	20847m	0.303	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.693	75	31198m	0.335	ppbv	
47) 1,1,2-Trichloroethane	9.471	97	34202	0.449	ppbv	94
48) Dibromochloromethane	10.295	129	48119	0.403	ppbv	97
49) Bromoform	13.034	173	37122m	0.382	ppbv	
50) 4-Methyl-2-Pentanone	8.754	43	60859	0.350	ppbv	99
51) 2-Hexanone	10.160	43	40372m	0.323	ppbv	
52) Tetrachloroethene	11.211	164	28092	0.421	ppbv	93
53) Toluene	9.799	91	68934	0.352	ppbv	99
54) 1,2-Dibromoethane	10.600	107	42542	0.409	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.111	131	41345	0.478	ppbv #	1
57) Chlorobenzene	12.134	112	71353	0.474	ppbv #	94
58) Ethyl Benzene	12.703	91	88670	0.364	ppbv	95
59) m/p-Xylene	12.979	91	170402	0.799	ppbv	99
60) o-Xylene	13.680	91	80164	0.396	ppbv	98
61) Styrene	13.519	104	34289	0.312	ppbv	97
62) Isopropylbenzene	14.654	105	130581	0.429	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.664	83	71058	0.453	ppbv	98
64) n-propylbenzene	15.552	120	31828	0.398	ppbv	82
65) tert-Butylbenzene	16.732	119	113471m	0.415	ppbv	
66) Benzyl Chloride	16.982	91	17599m	0.340	ppbv	
67) sec-Butylbenzene	17.285	105	163542	0.418	ppbv	99
69) p-Isopropyltoluene	17.642	119	118598	0.371	ppbv	95
70) n-Butylbenzene	18.539	91	125982	0.382	ppbv	97
71) 2-Chlorotoluene	15.439	91	88653	0.392	ppbv	100
72) 4-Ethyltoluene	15.831	105	89947	0.376	ppbv	97
73) 1,3,5-Trimethylbenzene	15.989	105	82415	0.378	ppbv	93
74) 1,2,4-Trimethylbenzene	16.748	105	97184	0.410	ppbv #	91
75) 1,3-Dichlorobenzene	16.986	146	64606	0.427	ppbv	96
76) 1,4-Dichlorobenzene	17.130	146	55273	0.368	ppbv	84
77) 1,2-Dichlorobenzene	17.805	146	61600	0.411	ppbv	91
78) Hexachloro-1,3-Butadiene	23.368	225	71765m	0.519	ppbv	
79) Naphthalene	22.191	128	63353m	0.349	ppbv	
80) Naphthalene,2-methyl-	24.963	142	10661	0.219	ppbv #	94
81) 1,2,4-Trichlorobenzene	21.911	180	47096	0.379	ppbv	94

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

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