

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101022\
 Data File : VL039708.D
 Acq On : 10 Oct 2022 22:52
 Operator : SY/AP
 Sample : N4955-15 MDL 0.45
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2022DL

Quant Time: Oct 11 07:23:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 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	5.192	49	1054162	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.645	114	2737527	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.452	117	2475539	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.760	95	1818384	9.840	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.742	85	70558	0.577	ppbv	100
3) Chlorodifluoromethane	2.687	51	65517	0.524	ppbv	92
4) Chloromethane	2.828	50	39019	0.517	ppbv	92
5) Vinyl Chloride	2.931	62	33006m	0.525	ppbv	
6) Bromomethane	3.137	94	12096m	0.521	ppbv	
7) Chloroethane	3.208	64	13174m	0.572	ppbv	
8) Dichlorotetrafluoroethane	2.870	85	74282	0.507	ppbv	100
9) Propene	2.706	41	31200	0.546	ppbv	91
10) Heptane	7.571	43	62913	0.472	ppbv	98
11) Trichlorofluoromethane	3.571	101	72555	0.479	ppbv	88
12) 1,1,2-Trichlorotrifluo...	4.073	101	52886	0.463	ppbv	97
13) Ethanol	3.269	45	5107m	1.173	ppbv	
14) Bromoethene	3.378	108	20633	0.452	ppbv #	88
15) Acetone	3.491	43	63425	0.541	ppbv	92
16) 1,3-Butadiene	2.999	39	26344	0.443	ppbv	91
17) tert-Butyl alcohol	3.902	59	47269	0.449	ppbv	99
18) 1,1-Dichloroethene	3.886	96	23434	0.466	ppbv	96
19) Isopropyl Alcohol	3.600	45	37194m	0.622	ppbv	
20) Methylene Chloride	3.941	84	29906	0.551	ppbv #	93
21) Allyl Chloride	4.002	41	35037	0.439	ppbv	91
22) trans-1,2-Dichloroethene	4.452	96	24123m	0.485	ppbv	
23) Vinyl Acetate	4.632	43	23578	0.445	ppbv #	89
24) 1,1-Dichloroethane	4.568	63	46857	0.444	ppbv #	89
25) Ethyl Acetate	5.211	43	119648	0.468	ppbv	97
26) Hexane	5.211	57	55114	0.508	ppbv	95
27) Carbon Disulfide	4.131	76	40457	0.355	ppbv #	84
28) Methyl tert-Butyl Ether	4.603	73	45798m	0.502	ppbv	
29) Chloroform	5.272	83	75513	0.482	ppbv	99
30) Cyclohexane	6.593	84	32835	0.391	ppbv #	83
31) cis-1,2-Dichloroethene	5.079	61	43998	0.448	ppbv	93
32) 1,1,1-Trichloroethane	6.005	97	64512m	0.455	ppbv	
34) 2-Butanone	4.803	43	51064	0.380	ppbv	91
35) Carbon Tetrachloride	6.487	117	60971	0.420	ppbv	94
36) Benzene	6.362	78	105990	0.506	ppbv	96
37) 1,2-Dichloroethane	5.799	62	53160m	0.467	ppbv	
38) Trichloroethene	7.282	130	56927	0.503	ppbv	95
39) 1,2-Dichloropropane	7.063	63	43333m	0.536	ppbv	
40) 1,4-Dioxane	7.311	88	16711m	0.506	ppbv	
41) Tetrahydrofuran	5.584	42	33783	0.410	ppbv	92
42) Bromodichloromethane	7.240	83	66965m	0.423	ppbv	
43) Methyl Methacrylate	7.481	69	32674m	0.428	ppbv	
44) 2,2,4-Trimethylpentane	7.320	57	176302	0.489	ppbv	98
45) t-1,3-Dichloropropene	8.703	75	18961m	0.294	ppbv	

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46) cis-1,3-Dichloropropene	8.130	75	29326m	0.320	ppbv	
47) 1,1,2-Trichloroethane	8.889	97	38737	0.439	ppbv	95
48) Dibromochloromethane	9.690	129	47452m	0.357	ppbv	
49) Bromoform	12.387	173	34829m	0.317	ppbv	
50) 4-Methyl-2-Pentanone	8.195	43	83940	0.397	ppbv	97
51) 2-Hexanone	9.558	43	63956m	0.409	ppbv	
52) Tetrachloroethene	10.606	164	37092	0.465	ppbv	88
53) Toluene	9.211	91	97403m	0.418	ppbv	
54) 1,2-Dibromoethane	9.992	107	39781	0.421	ppbv #	78
56) 1,1,1,2-Tetrachloroethane	11.497	131	42882m	0.429	ppbv	
57) Chlorobenzene	11.510	112	99012m	0.544	ppbv	
58) Ethyl Benzene	12.076	91	121834m	0.427	ppbv	
59) m/p-Xylene	12.359	91	215971m	0.850	ppbv	
60) o-Xylene	13.040	91	104753	0.432	ppbv	99
61) Styrene	12.886	104	44530m	0.341	ppbv	
62) Isopropylbenzene	14.014	105	171510	0.470	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.034	83	52196m	0.539	ppbv	
64) n-propylbenzene	14.902	120	40134m	0.429	ppbv	
65) tert-Butylbenzene	16.079	119	150215	0.466	ppbv	97
66) Benzyl Chloride	16.310	91	10310m	0.402	ppbv	
67) sec-Butylbenzene	16.622	105	196778	0.435	ppbv	100
69) p-Isopropyltoluene	16.982	119	145718	0.392	ppbv	92
70) n-Butylbenzene	17.876	91	162373m	0.446	ppbv	
71) 2-Chlorotoluene	14.786	91	116246m	0.441	ppbv	
72) 4-Ethyltoluene	15.178	105	126997m	0.459	ppbv	
73) 1,3,5-Trimethylbenzene	15.336	105	115595m	0.456	ppbv	
74) 1,2,4-Trimethylbenzene	16.092	105	127688	0.450	ppbv #	96
75) 1,3-Dichlorobenzene	16.317	146	72947	0.430	ppbv	88
76) 1,4-Dichlorobenzene	16.461	146	82807m	0.488	ppbv	
77) 1,2-Dichlorobenzene	17.127	146	84768m	0.513	ppbv	
78) Hexachloro-1,3-Butadiene	22.612	225	57134	0.452	ppbv #	82
79) Naphthalene	21.374	128	76582m	0.409	ppbv	
80) Naphthalene,2-methyl-	24.368	142	18687	0.265	ppbv	89
81) 1,2,4-Trichlorobenzene	21.127	180	54225m	0.440	ppbv	

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

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