

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
 Data File : VL041792.D
 Acq On : 18 Dec 2024 13:30
 Operator : SY/MD
 Sample : MDL 0.4
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.4

Quant Time: Dec 19 07:53:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Dec 19 07:32:09 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 12/23/2024
 Supervised By : Mahesh Dadoda 12/23/2024

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

Internal Standards						
1) Bromochloromethane	2.790	49	69517	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	175551	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	149982	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	129651	10.373	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 103.700%	

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	1.499	85	5327	0.431	ppbv	100
3) Chlorodifluoromethane	1.476	51	4463	0.394	ppbv #	90
4) Chloromethane	1.534	50	2134	0.441	ppbv #	84
5) Vinyl Chloride	1.580	62	1990	0.408	ppbv	89
6) Bromomethane	1.670	94	919	0.399	ppbv	94
7) Chloroethane	1.706	64	827	0.437	ppbv	88
8) Dichlorotetrafluoroethane	1.554	85	4376	0.395	ppbv	94
9) Propene	1.486	41	1567	0.319	ppbv	95
10) Heptane	4.994	43	795	0.063	ppbv #	1
11) Trichlorofluoromethane	1.881	101	5547	0.422	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.140	101	4070	0.407	ppbv	98
13) Ethanol	1.722	45	428	1.052	ppbv #	53
14) Bromoethene	1.784	108	1272	0.377	ppbv #	93
15) Acetone	1.839	43	7254	0.536	ppbv	98
16) 1,3-Butadiene	1.609	39	2343	0.440	ppbv	93
17) tert-Butyl alcohol	2.046	59	5000	0.373	ppbv	95
18) 1,1-Dichloroethene	2.036	96	1691	0.404	ppbv #	69
19) Isopropyl Alcohol	1.887	45	3774	0.465	ppbv #	41
20) Methylene Chloride	2.062	84	2130	0.552	ppbv	96
21) Allyl Chloride	2.098	41	2799	0.382	ppbv	86
22) trans-1,2-Dichloroethene	2.726	96	1777	0.371	ppbv	86
23) Vinyl Acetate	2.460	43	1748	0.278	ppbv #	87
24) 1,1-Dichloroethane	2.412	63	4096	0.422	ppbv	97
25) Ethyl Acetate	2.845	43	7220	0.287	ppbv #	97
26) Hexane	2.826	57	1599	0.167	ppbv #	1
27) Carbon Disulfide	2.156	76	2178	0.253	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	2648	0.342	ppbv	93
29) Chloroform	2.852	83	5937	0.408	ppbv	97
30) Cyclohexane	3.868	84	837	0.103	ppbv #	1
31) cis-1,2-Dichloroethene	2.344	61	3624	0.367	ppbv	94
32) 1,1,1-Trichloroethane	3.376	97	4884	0.330	ppbv	93
34) 2-Butanone	2.564	43	4896	0.347	ppbv	99
35) Carbon Tetrachloride	3.765	117	2403	0.193	ppbv	89
36) Benzene	3.661	78	5491	0.302	ppbv #	90
37) 1,2-Dichloroethane	3.221	62	4884	0.432	ppbv	98
38) Trichloroethene	4.554	130	1315	0.171	ppbv	91
39) 1,2-Dichloropropane	4.321	63	2280	0.347	ppbv #	77
40) 1,4-Dioxane	4.609	88	280	0.087	ppbv #	20
41) Tetrahydrofuran	3.072	42	1788	0.226	ppbv #	91
42) Bromodichloromethane	4.493	83	2098	0.161	ppbv #	82
43) Methyl Methacrylate	4.891	69	880	0.127	ppbv #	11
44) 2,2,4-Trimethylpentane	4.648	57	4764	0.154	ppbv #	33
45) t-1,3-Dichloropropene	6.415	75	637	0.089	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.616	75	759	0.084	ppbv	89
47) 1,1,2-Trichloroethane	6.590	97	435	0.063	ppbv #	29
48) Dibromochloromethane	7.393	129	1726	0.184	ppbv	56
49) Bromoform	9.497	173	556	0.073	ppbv #	28
50) 4-Methyl-2-Pentanone	5.778	43	3923	0.204	ppbv	95
51) 2-Hexanone	7.458	43	3050	0.196	ppbv #	96
52) Tetrachloroethene	8.238	164	950	0.141	ppbv	90
53) Toluene	6.940	91	3469	0.168	ppbv #	69
54) 1,2-Dibromoethane	7.658	107	2668	0.282	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.937	131	3161	0.398	ppbv #	1
57) Chlorobenzene	8.933	112	6429	0.419	ppbv #	89
58) Ethyl Benzene	9.361	91	5789	0.214	ppbv	96
59) m/p-Xylene	9.555	91	3921	0.181	ppbv #	100
60) o-Xylene	9.969	91	4585	0.211	ppbv	97
61) Styrene	9.875	104	1818	0.193	ppbv	92
62) Isopropylbenzene	10.545	105	8515	0.260	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.972	83	5038	0.370	ppbv	98
64) n-propylbenzene	10.995	120	1852	0.224	ppbv	95
65) tert-Butylbenzene	11.536	119	6166	0.209	ppbv	99
66) Benzyl Chloride	11.617	91	697	0.268	ppbv #	80
67) sec-Butylbenzene	11.775	105	9417	0.231	ppbv	96
69) p-Isopropyltoluene	11.931	119	6695	0.199	ppbv	94
70) n-Butylbenzene	12.287	91	6317	0.194	ppbv	98
71) 2-Chlorotoluene	10.908	91	5650	0.226	ppbv	92
72) 4-Ethyltoluene	11.131	105	4955	0.193	ppbv #	95
73) 1,3,5-Trimethylbenzene	11.209	105	4408	0.207	ppbv	93
74) 1,2,4-Trimethylbenzene	11.542	105	4624	0.202	ppbv #	89
75) 1,3-Dichlorobenzene	11.613	146	4916	0.336	ppbv	96
76) 1,4-Dichlorobenzene	11.678	146	4344	0.301	ppbv	98
77) 1,2-Dichlorobenzene	11.953	146	4825	0.343	ppbv	99
78) Hexachloro-1,3-Butadiene	13.886	225	3653	0.350	ppbv	95
79) Naphthalene	13.520	128	2064	0.129	ppbv #	86
80) Naphthalene,2-methyl-	14.465	142	239	0.048	ppbv #	88
81) 1,2,4-Trichlorobenzene	13.442	180	1477	0.169	ppbv #	95

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

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