

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121724\
 Data File : VL041777.D
 Acq On : 17 Dec 2024 14:13
 Operator : SY/MD
 Sample : MDL 0.4
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL 0.4

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/18/2024
 Supervised By :Semsettin Yesilyurt 12/18/2024

Quant Time: Dec 21 03:15:52 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Thu Dec 19 07:32:09 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	56733	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	144763	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	123427	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 104912 10.200 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	5391	0.534	ppbv	96
3) Chlorodifluoromethane	1.476	51	4325	0.467	ppbv #	88
4) Chloromethane	1.535	50	2159	0.547	ppbv #	87
5) Vinyl Chloride	1.580	62	1807	0.454	ppbv	96
6) Bromomethane	1.667	94	933	0.497	ppbv	87
7) Chloroethane	1.706	64	721	0.466	ppbv	90
8) Dichlorotetrafluoroethane	1.554	85	4832	0.535	ppbv	90
9) Propene	1.486	41	1623m	0.405	ppbv	
10) Heptane	4.994	43	3176m	0.308	ppbv	
11) Trichlorofluoromethane	1.881	101	5709	0.532	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.143	101	3952	0.485	ppbv	98
13) Ethanol	1.725	45	588	1.771	ppbv	100
14) Bromoethene	1.784	108	1104	0.401	ppbv #	75
15) Acetone	1.839	43	6680	0.605	ppbv	97
16) 1,3-Butadiene	1.609	39	2378	0.547	ppbv	91
17) tert-Butyl alcohol	2.046	59	5396	0.493	ppbv	96
18) 1,1-Dichloroethene	2.036	96	1704	0.498	ppbv	79
19) Isopropyl Alcohol	1.891	45	3955	0.597	ppbv #	42
20) Methylene Chloride	2.062	84	1971	0.626	ppbv	91
21) Allyl Chloride	2.098	41	2760	0.461	ppbv	93
22) trans-1,2-Dichloroethene	2.344	96	1715	0.438	ppbv	89
23) Vinyl Acetate	2.467	43	1842m	0.359	ppbv	
24) 1,1-Dichloroethane	2.412	63	3993	0.504	ppbv	98
25) Ethyl Acetate	2.842	43	7770	0.378	ppbv	97
26) Hexane	2.832	57	2818	0.362	ppbv #	85
27) Carbon Disulfide	2.153	76	2108	0.300	ppbv #	1
28) Methyl tert-Butyl Ether	2.447	73	2750m	0.435	ppbv	
29) Chloroform	2.855	83	5887	0.496	ppbv	99
30) Cyclohexane	3.865	84	1963m	0.296	ppbv	
31) cis-1,2-Dichloroethene	2.726	61	3300	0.410	ppbv	90
32) 1,1,1-Trichloroethane	3.370	97	4566	0.378	ppbv	88
34) 2-Butanone	2.564	43	4940	0.424	ppbv	97
35) Carbon Tetrachloride	3.771	117	4147	0.404	ppbv #	92
36) Benzene	3.664	78	6289m	0.420	ppbv	
37) 1,2-Dichloroethane	3.224	62	4822	0.518	ppbv	100
38) Trichloroethene	4.554	130	2268m	0.357	ppbv	
39) 1,2-Dichloropropane	4.324	63	2495	0.461	ppbv	93
40) 1,4-Dioxane	4.619	88	937m	0.354	ppbv	
41) Tetrahydrofuran	3.072	42	2308m	0.354	ppbv	
42) Bromodichloromethane	4.499	83	4037	0.377	ppbv	97
43) Methyl Methacrylate	4.891	69	1675m	0.294	ppbv	
44) 2,2,4-Trimethylpentane	4.651	57	9264m	0.362	ppbv	
45) t-1,3-Dichloropropene	6.425	75	1686	0.286	ppbv #	83

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.622	75	2446m	0.326	ppbv	
47) 1,1,2-Trichloroethane	6.590	97	2577m	0.456	ppbv	
48) Dibromochloromethane	7.390	129	2491m	0.322	ppbv	
49) Bromoform	9.490	173	1837	0.291	ppbv	92
50) 4-Methyl-2-Pentanone	5.781	43	5165m	0.326	ppbv	
51) 2-Hexanone	7.458	43	3599m	0.280	ppbv	
52) Tetrachloroethene	8.238	164	2174m	0.390	ppbv	
53) Toluene	6.940	91	5195	0.306	ppbv	94
54) 1,2-Dibromoethane	7.665	107	3141m	0.403	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.937	131	2805	0.429	ppbv #	1
57) Chlorobenzene	8.927	112	5951	0.471	ppbv #	92
58) Ethyl Benzene	9.361	91	7056	0.318	ppbv	96
59) m/p-Xylene	9.558	91	10779m	0.603	ppbv	
60) o-Xylene	9.969	91	5948m	0.332	ppbv	
61) Styrene	9.882	104	2234	0.288	ppbv	94
62) Isopropylbenzene	10.545	105	9799	0.364	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	5140	0.458	ppbv	97
64) n-propylbenzene	10.998	120	2173	0.319	ppbv	95
65) tert-Butylbenzene	11.536	119	7462	0.307	ppbv	98
66) Benzyl Chloride	11.617	91	623	0.291	ppbv #	75
67) sec-Butylbenzene	11.775	105	10865	0.323	ppbv	97
69) p-Isopropyltoluene	11.934	119	8308	0.300	ppbv	97
70) n-Butylbenzene	12.287	91	7482	0.280	ppbv	95
71) 2-Chlorotoluene	10.908	91	6953	0.338	ppbv	98
72) 4-Ethyltoluene	11.131	105	6311	0.298	ppbv #	94
73) 1,3,5-Trimethylbenzene	11.212	105	5206	0.297	ppbv	87
74) 1,2,4-Trimethylbenzene	11.539	105	5688	0.301	ppbv #	85
75) 1,3-Dichlorobenzene	11.610	146	5371	0.446	ppbv	96
76) 1,4-Dichlorobenzene	11.678	146	4865	0.409	ppbv	95
77) 1,2-Dichlorobenzene	11.953	146	5635	0.487	ppbv	95
78) Hexachloro-1,3-Butadiene	13.889	225	3926	0.457	ppbv	97
79) Naphthalene	13.520	128	2708	0.206	ppbv #	91
80) Naphthalene,2-methyl-	14.465	142	206	0.051	ppbv #	68
81) 1,2,4-Trichlorobenzene	13.445	180	2002	0.279	ppbv	94

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

