

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041764.D
 Acq On : 16 Dec 2024 22:23
 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 :Semsettin Yesilyurt 12/20/2024
 Supervised By :Mahesh Dadoda 12/20/2024

Quant Time: Dec 20 03:32:15 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	59566	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	158238	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	139548	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.380 95 116542 10.022 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	5185	0.489	ppbv	94
3) Chlorodifluoromethane	1.476	51	4464	0.460	ppbv	99
4) Chloromethane	1.534	50	2077	0.501	ppbv	90
5) Vinyl Chloride	1.580	62	1877	0.449	ppbv	90
6) Bromomethane	1.667	94	1036	0.525	ppbv	81
7) Chloroethane	1.706	64	777	0.479	ppbv #	79
8) Dichlorotetrafluoroethane	1.554	85	4435	0.468	ppbv	97
9) Propene	1.483	41	1719	0.408	ppbv #	75
10) Heptane	4.985	43	3830m	0.354	ppbv	
11) Trichlorofluoromethane	1.881	101	5226	0.464	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.143	101	3749	0.438	ppbv	99
13) Ethanol	1.722	45	281	0.806	ppbv	80
14) Bromoethene	1.780	108	1223	0.423	ppbv #	94
15) Acetone	1.839	43	6343	0.547	ppbv	97
16) 1,3-Butadiene	1.609	39	2223	0.487	ppbv	93
17) tert-Butyl alcohol	2.046	59	5035	0.438	ppbv	96
18) 1,1-Dichloroethene	2.033	96	1640m	0.457	ppbv	
19) Isopropyl Alcohol	1.887	45	4437	0.638	ppbv #	39
20) Methylene Chloride	2.062	84	1708	0.517	ppbv	87
21) Allyl Chloride	2.098	41	2514	0.400	ppbv	87
22) trans-1,2-Dichloroethene	2.343	96	1756	0.427	ppbv	95
23) Vinyl Acetate	2.463	43	1708	0.317	ppbv #	77
24) 1,1-Dichloroethane	2.408	63	3973	0.478	ppbv	97
25) Ethyl Acetate	2.842	43	8884	0.412	ppbv #	97
26) Hexane	2.829	57	3316	0.405	ppbv	96
27) Carbon Disulfide	2.153	76	2101	0.285	ppbv #	1
28) Methyl tert-Butyl Ether	2.447	73	2568	0.387	ppbv #	85
29) Chloroform	2.852	83	5468	0.439	ppbv	89
30) Cyclohexane	3.861	84	2697m	0.387	ppbv	
31) cis-1,2-Dichloroethene	2.725	61	3750m	0.444	ppbv	
32) 1,1,1-Trichloroethane	3.376	97	5251	0.414	ppbv	97
34) 2-Butanone	2.564	43	5547	0.436	ppbv	98
35) Carbon Tetrachloride	3.771	117	4190m	0.373	ppbv	
36) Benzene	3.664	78	6743	0.412	ppbv	99
37) 1,2-Dichloroethane	3.221	62	4949	0.486	ppbv	100
38) Trichloroethene	4.551	130	2671m	0.384	ppbv	
39) 1,2-Dichloropropane	4.321	63	2703m	0.457	ppbv	
40) 1,4-Dioxane	4.612	88	1200m	0.415	ppbv	
41) Tetrahydrofuran	3.072	42	2817	0.395	ppbv	97
42) Bromodichloromethane	4.493	83	4041	0.345	ppbv #	94
43) Methyl Methacrylate	4.881	69	2072m	0.332	ppbv	
44) 2,2,4-Trimethylpentane	4.641	57	11058	0.396	ppbv	95
45) t-1,3-Dichloropropene	6.415	75	2064m	0.320	ppbv	

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	2474m	0.302	ppbv	
47) 1,1,2-Trichloroethane	6.590	97	2500m	0.404	ppbv	
48) Dibromochloromethane	7.396	129	2645m	0.313	ppbv	
49) Bromoform	9.490	173	1854m	0.268	ppbv	
50) 4-Methyl-2-Pentanone	5.774	43	6550m	0.378	ppbv	
51) 2-Hexanone	7.451	43	4659m	0.332	ppbv	
52) Tetrachloroethene	8.231	164	2657m	0.436	ppbv	
53) Toluene	6.946	91	6891m	0.371	ppbv	
54) 1,2-Dibromoethane	7.661	107	3278m	0.385	ppbv	
56) 1,1,1,2-Tetrachloroethane	8.930	131	2906	0.393	ppbv #	1
57) Chlorobenzene	8.924	112	6373	0.446	ppbv #	92
58) Ethyl Benzene	9.364	91	8868	0.353	ppbv	100
59) m/p-Xylene	9.539	91	14315m	0.709	ppbv	
60) o-Xylene	9.972	91	7499	0.370	ppbv	97
61) Styrene	9.875	104	2508	0.286	ppbv	90
62) Isopropylbenzene	10.545	105	11386	0.374	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.972	83	5129	0.404	ppbv	99
64) n-propylbenzene	10.992	120	2900	0.377	ppbv	89
65) tert-Butylbenzene	11.536	119	9394	0.342	ppbv	95
66) Benzyl Chloride	11.620	91	878m	0.363	ppbv	
67) sec-Butylbenzene	11.772	105	13746	0.362	ppbv	94
69) p-Isopropyltoluene	11.934	119	10417	0.333	ppbv	98
70) n-Butylbenzene	12.286	91	9906	0.327	ppbv	94
71) 2-Chlorotoluene	10.908	91	8338	0.359	ppbv	99
72) 4-Ethyltoluene	11.131	105	7801	0.326	ppbv	99
73) 1,3,5-Trimethylbenzene	11.209	105	6852	0.345	ppbv	87
74) 1,2,4-Trimethylbenzene	11.542	105	7340	0.344	ppbv	90
75) 1,3-Dichlorobenzene	11.613	146	5568	0.409	ppbv	97
76) 1,4-Dichlorobenzene	11.675	146	5142	0.383	ppbv	95
77) 1,2-Dichlorobenzene	11.953	146	5570	0.426	ppbv	94
78) Hexachloro-1,3-Butadiene	13.885	225	4377	0.451	ppbv	97
79) Naphthalene	13.520	128	3736	0.251	ppbv #	86
80) Naphthalene,2-methyl-	14.465	142	414	0.090	ppbv #	84
81) 1,2,4-Trichlorobenzene	13.445	180	2719	0.335	ppbv	98

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

