

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121124\
 Data File : VL041736.D
 Acq On : 11 Dec 2024 23:41
 Operator : SY/MD
 Sample : VL1211ABS02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1211ABS02

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/13/2024
 Supervised By :Semsettin Yesilyurt 12/13/2024

Quant Time: Dec 12 13:40:07 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121124AIR.M

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

QLast Update : Thu Dec 12 13:35:39 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	261097	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	1256819	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	1119484	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.383 95 748643 10.173 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	573861	12.522	ppbv	99
3) Chlorodifluoromethane	1.473	51	312858	8.802	ppbv	100
4) Chloromethane	1.531	50	151976	12.496	ppbv	100
5) Vinyl Chloride	1.580	62	183614	12.327	ppbv	98
6) Bromomethane	1.667	94	109854	11.245	ppbv	98
7) Chloroethane	1.706	64	80077	12.358	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	505121	13.517	ppbv	93
9) Propene	1.483	41	140359	9.261	ppbv	100
10) Heptane	4.985	43	389580	9.298	ppbv	100
11) Trichlorofluoromethane	1.877	101	636038	12.053	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	544749	11.465	ppbv	96
13) Ethanol	1.719	45	4539	3.621	ppbv	94
14) Bromoethene	1.780	108	220586	12.666	ppbv	99
15) Acetone	1.832	43	272588	9.043	ppbv	97
16) 1,3-Butadiene	1.609	39	115584	11.430	ppbv	95
17) tert-Butyl alcohol	2.036	59	459881	10.523	ppbv	99
18) 1,1-Dichloroethene	2.036	96	249219	11.544	ppbv	93
19) Isopropyl Alcohol	1.884	45	176169	6.152	ppbv	89
20) Methylene Chloride	2.062	84	196900	10.783	ppbv	99
21) Allyl Chloride	2.098	41	191604	11.288	ppbv	97
22) trans-1,2-Dichloroethene	2.340	96	283158	11.297	ppbv	99
23) Vinyl Acetate	2.460	43	192655	10.554	ppbv	99
24) 1,1-Dichloroethane	2.408	63	390113	11.492	ppbv	99
25) Ethyl Acetate	4.985	43	389580	9.298	ppbv #	100
26) Hexane	2.829	57	373436	9.190	ppbv	97
27) Carbon Disulfide	2.153	76	482015	11.521	ppbv	99
28) Methyl tert-Butyl Ether	2.437	73	305838	10.028	ppbv	100
29) Chloroform	2.848	83	571553	9.188	ppbv	100
30) Cyclohexane	3.862	84	417800	9.155	ppbv	97
31) cis-1,2-Dichloroethene	2.722	61	345579	9.181	ppbv	100
32) 1,1,1-Trichloroethane	3.370	97	568384	9.292	ppbv	99
34) 2-Butanone	2.554	43	399186	9.071	ppbv	99
35) Carbon Tetrachloride	3.768	117	587873	10.043	ppbv	99
36) Benzene	3.661	78	924536	9.356	ppbv	99
37) 1,2-Dichloroethane	3.217	62	341701	9.572	ppbv	99
38) Trichloroethene	4.551	130	665444	12.985	ppbv	99
39) 1,2-Dichloropropane	4.315	63	299887	9.524	ppbv	99
40) 1,4-Dioxane	4.583	88	164924	8.681	ppbv #	98
41) Tetrahydrofuran	3.052	42	252295	9.514	ppbv	99
42) Bromodichloromethane	4.493	83	575114	9.979	ppbv	98
43) Methyl Methacrylate	4.881	69	336365	9.450	ppbv	99
44) 2,2,4-Trimethylpentane	4.645	57	1295064	9.415	ppbv	100
45) t-1,3-Dichloropropene	6.418	75	272243	7.839	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	393505	8.536	ppbv	99
47) 1,1,2-Trichloroethane	6.587	97	387693	9.247	ppbv	98
48) Dibromochloromethane	7.393	129	591298	9.788	ppbv	99
49) Bromoform	9.490	173	562391	9.730	ppbv	100
50) 4-Methyl-2-Pentanone	5.752	43	602605	9.548	ppbv	99
51) 2-Hexanone	7.441	43	473720	9.125	ppbv	99
52) Tetrachloroethene	8.231	164	463566	8.854	ppbv	99
53) Toluene	6.940	91	1119426	9.218	ppbv	100
54) 1,2-Dibromoethane	7.658	107	528001	9.212	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.930	131	490202	9.418	ppbv	100
57) Chlorobenzene	8.927	112	933220	9.161	ppbv	99
58) Ethyl Benzene	9.361	91	1398960	9.338	ppbv	100
59) m/p-Xylene	9.558	91	2128084m	18.536	ppbv	
60) o-Xylene	9.969	91	1073122	9.428	ppbv	99
61) Styrene	9.875	104	599403	9.540	ppbv	99
62) Isopropylbenzene	10.545	105	1695295	9.029	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.969	83	390592	5.304	ppbv	100
64) n-propylbenzene	10.995	120	510127	9.227	ppbv	97
65) tert-Butylbenzene	11.539	119	1626384	9.137	ppbv	99
66) Benzyl Chloride	10.908	91	1150559	9.014	ppbv	99
67) sec-Butylbenzene	11.775	105	2093007	9.084	ppbv	99
69) p-Isopropyltoluene	11.934	119	1823257	9.175	ppbv	99
70) n-Butylbenzene	12.290	91	1549304	9.395	ppbv	99
71) 2-Chlorotoluene	10.908	91	1150559	9.014	ppbv	98
72) 4-Ethyltoluene	11.131	105	1389535	9.454	ppbv	99
73) 1,3,5-Trimethylbenzene	11.212	105	1145161	9.631	ppbv	100
74) 1,2,4-Trimethylbenzene	11.545	105	1257260	9.726	ppbv	97
75) 1,3-Dichlorobenzene	11.613	146	928333	8.987	ppbv	100
76) 1,4-Dichlorobenzene	11.678	146	923709	9.054	ppbv	100
77) 1,2-Dichlorobenzene	11.953	146	883309	9.031	ppbv	100
78) Hexachloro-1,3-Butadiene	13.892	225	771483	9.596	ppbv	100
79) Naphthalene	13.523	128	1230885	11.125	ppbv	100
80) Naphthalene,2-methyl-	14.468	142	920550	22.997	ppbv	99
81) 1,2,4-Trichlorobenzene	13.448	180	746302	10.713	ppbv	100

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

