

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092524\
 Data File : VL041622.D
 Acq On : 25 Sep 2024 13:54
 Operator : SY/MD
 Sample : VL0925ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0925ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/26/2024
 Supervised By :Mahesh Dadoda 09/26/2024

Quant Time: Sep 26 01:18:40 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M

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

QLast Update : Tue Sep 17 09:12:21 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.172	49	1053430	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	2902874	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2897676m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 2065412 9.683 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.800%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.700	85	1393274	9.158	ppbv	100
3) Chlorodifluoromethane	2.645	51	1280201	10.019	ppbv	99
4) Chloromethane	2.783	50	702088	9.990	ppbv	99
5) Vinyl Chloride	2.893	62	689651	11.334	ppbv	98
6) Bromomethane	3.092	94	261712	8.645	ppbv	97
7) Chloroethane	3.169	64	247405	10.454	ppbv	94
8) Dichlorotetrafluoroethane	2.828	85	1655380	10.373	ppbv	99
9) Propene	2.664	41	602550	11.180	ppbv	100
10) Heptane	7.565	43	1477147	11.706	ppbv	100
11) Trichlorofluoromethane	3.536	101	1642321	10.145	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.044	101	1185114	10.108	ppbv	99
13) Ethanol	3.221	45	24417m	6.026	ppbv	
14) Bromoethene	3.340	108	489076	11.001	ppbv	98
15) Acetone	3.443	43	1189365	8.993	ppbv	100
16) 1,3-Butadiene	2.957	39	691866	10.756	ppbv	97
17) tert-Butyl alcohol	3.854	59	1262047	10.851	ppbv	99
18) 1,1-Dichloroethene	3.857	96	530712	10.692	ppbv	98
19) Isopropyl Alcohol	3.549	45	658924	9.733	ppbv	99
20) Methylene Chloride	3.909	84	423040	8.514	ppbv	96
21) Allyl Chloride	3.973	41	827465	10.795	ppbv	99
22) trans-1,2-Dichloroethene	4.423	96	520284	10.508	ppbv	97
23) Vinyl Acetate	4.603	43	879339	12.088	ppbv	98
24) 1,1-Dichloroethane	4.542	63	1168189	10.699	ppbv	99
25) Ethyl Acetate	5.182	43	2662496	11.214	ppbv	99
26) Hexane	5.192	57	1085808	10.966	ppbv	99
27) Carbon Disulfide	4.102	76	1265369	12.022	ppbv	100
28) Methyl tert-Butyl Ether	4.565	73	665336	10.899	ppbv	99
29) Chloroform	5.256	83	1690713	10.435	ppbv	96
30) Cyclohexane	6.584	84	915022	11.989	ppbv	100
31) cis-1,2-Dichloroethene	5.060	61	1049584	11.166	ppbv	98
32) 1,1,1-Trichloroethane	5.986	97	1661681	11.514	ppbv	98
34) 2-Butanone	4.764	43	1450079	10.476	ppbv	100
35) Carbon Tetrachloride	6.475	117	1742080	12.231	ppbv	100
36) Benzene	6.352	78	2305701	11.437	ppbv	99
37) 1,2-Dichloroethane	5.790	62	1275250	10.902	ppbv	98
38) Trichloroethene	7.275	130	1147527	11.053	ppbv	98
39) 1,2-Dichloropropane	7.057	63	881849	10.752	ppbv	100
40) 1,4-Dioxane	7.269	88	322938	10.445	ppbv #	94
41) Tetrahydrofuran	5.539	42	905178	11.883	ppbv	99
42) Bromodichloromethane	7.233	83	1844041	11.331	ppbv	98
43) Methyl Methacrylate	7.458	69	908053	12.587	ppbv	98
44) 2,2,4-Trimethylpentane	7.311	57	3919378	11.237	ppbv	100
45) t-1,3-Dichloropropene	8.696	75	678197	11.660	ppbv	97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	985638	11.567	ppbv	98
47) 1,1,2-Trichloroethane	8.886	97	942053	10.818	ppbv	98
48) Dibromochloromethane	9.696	129	1555383	11.789	ppbv	100
49) Bromoform	12.394	173	1335562	11.792	ppbv	99
50) 4-Methyl-2-Pentanone	8.163	43	2583921	12.088	ppbv	100
51) 2-Hexanone	9.536	43	2060154	12.742	ppbv	99
52) Tetrachloroethene	10.603	164	848668	11.626	ppbv	96
53) Toluene	9.208	91	2665981	12.458	ppbv	100
54) 1,2-Dibromoethane	9.995	107	1248129	11.639	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.497	131	1159300	10.247	ppbv	98
57) Chlorobenzene	11.513	112	2063521	9.877	ppbv	99
58) Ethyl Benzene	12.076	91	3573189	11.519	ppbv	99
59) m/p-Xylene	12.362	91	6050478m	21.916	ppbv	
60) o-Xylene	13.043	91	2943780	11.122	ppbv	99
61) Styrene	12.883	104	1402453	12.683	ppbv	99
62) Isopropylbenzene	14.018	105	4275506	10.662	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.034	83	1521452	11.243	ppbv	99
64) n-propylbenzene	14.902	120	1139932	11.007	ppbv	100
65) tert-Butylbenzene	16.075	119	3801784	10.343	ppbv	100
66) Benzyl Chloride	16.310	91	217495m	11.381	ppbv	
67) sec-Butylbenzene	16.622	105	5364662	10.519	ppbv	100
69) p-Isopropyltoluene	16.982	119	4476951	10.845	ppbv	100
70) n-Butylbenzene	17.873	91	4549352	10.520	ppbv	100
71) 2-Chlorotoluene	14.789	91	3173109	10.754	ppbv	100
72) 4-Ethyltoluene	15.178	105	3467948	11.209	ppbv	98
73) 1,3,5-Trimethylbenzene	15.336	105	2990295	10.945	ppbv	97
74) 1,2,4-Trimethylbenzene	16.095	105	3289288	10.286	ppbv	99
75) 1,3-Dichlorobenzene	16.317	146	1975242	9.856	ppbv	99
76) 1,4-Dichlorobenzene	16.458	146	1917260	9.983	ppbv	99
77) 1,2-Dichlorobenzene	17.130	146	1935877	9.784	ppbv	100
78) Hexachloro-1,3-Butadiene	22.619	225	1356779	8.313	ppbv	99
79) Naphthalene	21.371	128	2614193	11.108	ppbv	100
80) Naphthalene,2-methyl-	24.361	142	861545	5.224	ppbv	100
81) 1,2,4-Trichlorobenzene	21.127	180	1379923	9.222	ppbv	98

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

