

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121824\
 Data File : VL041788.D
 Acq On : 18 Dec 2024 10:29
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/19/2024
 Supervised By : Mahesh Dadoda 12/19/2024

Quant Time: Dec 19 07:49:00 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

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

Internal Standards						
1) Bromochloromethane	2.784	49	76040	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	198370	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	172190	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.377 95 150705 10.503 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 105.000%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.495	85	112841	8.340	ppbv	96
3) Chlorodifluoromethane	1.473	51	112096	9.040	ppbv	98
4) Chloromethane	1.531	50	48418	9.146	ppbv	99
5) Vinyl Chloride	1.580	62	46631	8.743	ppbv	99
6) Bromomethane	1.667	94	22202	8.821	ppbv	98
7) Chloroethane	1.703	64	19203	9.269	ppbv	99
8) Dichlorotetrafluoroethane	1.554	85	111653	9.220	ppbv	96
9) Propene	1.483	41	41427	7.708	ppbv	96
10) Heptane	4.975	43	111650	8.087	ppbv	96
11) Trichlorofluoromethane	1.874	101	134331	9.347	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.136	101	96469	8.825	ppbv	98
13) Ethanol	1.719	45	3276m	7.361	ppbv	
14) Bromoethene	1.780	108	33118	8.974	ppbv	97
15) Acetone	1.832	43	111294	7.522	ppbv	99
16) 1,3-Butadiene	1.606	39	53299	9.149	ppbv	97
17) tert-Butyl alcohol	2.036	59	135516	9.233	ppbv	100
18) 1,1-Dichloroethene	2.033	96	41224	8.996	ppbv	93
19) Isopropyl Alcohol	1.884	45	64831	7.303	ppbv	99
20) Methylene Chloride	2.059	84	35699	8.462	ppbv	96
21) Allyl Chloride	2.094	41	74468	9.281	ppbv	99
22) trans-1,2-Dichloroethene	2.337	96	45331	8.641	ppbv	94
23) Vinyl Acetate	2.460	43	52709	7.673	ppbv #	95
24) 1,1-Dichloroethane	2.405	63	95779	9.020	ppbv	99
25) Ethyl Acetate	2.832	43	238771	8.675	ppbv	100
26) Hexane	2.822	57	87593	8.386	ppbv	95
27) Carbon Disulfide	2.149	76	85318	9.064	ppbv	98
28) Methyl tert-Butyl Ether	2.437	73	67965	8.021	ppbv	97
29) Chloroform	2.845	83	145536	9.143	ppbv	97
30) Cyclohexane	3.855	84	74346	8.366	ppbv	97
31) cis-1,2-Dichloroethene	2.719	61	92460	8.567	ppbv	98
32) 1,1,1-Trichloroethane	3.366	97	144038	8.902	ppbv	99
34) 2-Butanone	2.554	43	139509	8.742	ppbv	99
35) Carbon Tetrachloride	3.761	117	147726	10.490	ppbv	99
36) Benzene	3.654	78	178114	8.680	ppbv	98
37) 1,2-Dichloroethane	3.214	62	121412	9.509	ppbv	100
38) Trichloroethene	4.548	130	70175	8.057	ppbv	98
39) 1,2-Dichloropropane	4.308	63	64154	8.645	ppbv	97
40) 1,4-Dioxane	4.583	88	30262	8.347	ppbv #	96
41) Tetrahydrofuran	3.052	42	74734	8.359	ppbv	98
42) Bromodichloromethane	4.486	83	140832	9.588	ppbv	95
43) Methyl Methacrylate	4.878	69	69545	8.895	ppbv	99
44) 2,2,4-Trimethylpentane	4.635	57	302332	8.627	ppbv	97
45) t-1,3-Dichloropropene	6.412	75	69601	8.607	ppbv	96

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	89328m	8.701	ppbv	
47) 1,1,2-Trichloroethane	6.580	97	67717	8.736	ppbv	93
48) Dibromochloromethane	7.386	129	101875	9.625	ppbv	97
49) Bromoform	9.483	173	83649	9.655	ppbv	99
50) 4-Methyl-2-Pentanone	5.752	43	186865	8.600	ppbv	99
51) 2-Hexanone	7.438	43	149217	8.472	ppbv #	98
52) Tetrachloroethene	8.224	164	59756	7.824	ppbv	93
53) Toluene	6.930	91	195158	8.389	ppbv	99
54) 1,2-Dibromoethane	7.648	107	94138	8.814	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.924	131	87869	9.626	ppbv	99
57) Chlorobenzene	8.920	112	157039	8.912	ppbv	97
58) Ethyl Benzene	9.354	91	281290	9.074	ppbv	97
59) m/p-Xylene	9.548	91	466737m	18.725	ppbv	
60) o-Xylene	9.963	91	232028	9.283	ppbv	100
61) Styrene	9.869	104	103216	9.550	ppbv	99
62) Isopropylbenzene	10.539	105	352903	9.397	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.963	83	144197	9.216	ppbv	99
64) n-propylbenzene	10.989	120	90043	9.483	ppbv	99
65) tert-Butylbenzene	11.532	119	314940	9.295	ppbv	98
66) Benzyl Chloride	11.616	91	22164	7.426	ppbv	100
67) sec-Butylbenzene	11.769	105	442201	9.431	ppbv	100
69) p-Isopropyltoluene	11.927	119	369746	9.569	ppbv	99
70) n-Butylbenzene	12.283	91	373294	9.999	ppbv	99
71) 2-Chlorotoluene	10.901	91	264866	9.240	ppbv	100
72) 4-Ethyltoluene	11.124	105	285469	9.676	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	242783	9.918	ppbv	97
74) 1,2,4-Trimethylbenzene	11.536	105	263301	10.003	ppbv	90
75) 1,3-Dichlorobenzene	11.607	146	154857	9.227	ppbv	99
76) 1,4-Dichlorobenzene	11.671	146	154115	9.296	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	145375	9.002	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	93437	7.804	ppbv	100
79) Naphthalene	13.513	128	200311	10.921	ppbv	98
80) Naphthalene,2-methyl-	14.458	142	94903	16.728	ppbv	97
81) 1,2,4-Trichlorobenzene	13.442	180	93675	9.346	ppbv	99

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

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Response via : Initial Calibration

