

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092524\
 Data File : VL041620.D
 Acq On : 25 Sep 2024 12:30
 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 09/26/2024
 Supervised By :Mahesh Dadoda 09/26/2024

Quant Time: Sep 26 01:16:57 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	5.173	49	1096863	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	3010158	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2934556m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 2135963 9.888 ppbv 0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.700	85	1279766	8.079	ppbv	99
3) Chlorodifluoromethane	2.645	51	1278819	9.612	ppbv	100
4) Chloromethane	2.784	50	717500	9.805	ppbv	99
5) Vinyl Chloride	2.893	62	685699	10.823	ppbv	98
6) Bromomethane	3.092	94	310070	9.837	ppbv	97
7) Chloroethane	3.169	64	245588	9.967	ppbv	97
8) Dichlorotetrafluoroethane	2.829	85	1635311	9.842	ppbv	98
9) Propene	2.665	41	591277	10.536	ppbv	100
10) Heptane	7.561	43	1481134	11.273	ppbv	100
11) Trichlorofluoromethane	3.536	101	1632962	9.688	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.044	101	1188177	9.733	ppbv	100
13) Ethanol	3.221	45	22090m	5.236	ppbv	
14) Bromoethene	3.340	108	474245	10.245	ppbv	99
15) Acetone	3.443	43	1222114	8.875	ppbv	99
16) 1,3-Butadiene	2.957	39	674894	10.076	ppbv	98
17) tert-Butyl alcohol	3.854	59	1221851	10.089	ppbv	99
18) 1,1-Dichloroethene	3.854	96	532659	10.307	ppbv	98
19) Isopropyl Alcohol	3.552	45	680864	9.659	ppbv #	98
20) Methylene Chloride	3.909	84	443192	8.567	ppbv	94
21) Allyl Chloride	3.970	41	834136	10.451	ppbv	99
22) trans-1,2-Dichloroethene	4.423	96	530482	10.289	ppbv	98
23) Vinyl Acetate	4.603	43	847676	11.192	ppbv	98
24) 1,1-Dichloroethane	4.539	63	1157428	10.181	ppbv	98
25) Ethyl Acetate	5.185	43	2657519	10.750	ppbv	99
26) Hexane	5.192	57	1066583	10.346	ppbv	98
27) Carbon Disulfide	4.099	76	1273691	11.622	ppbv	99
28) Methyl tert-Butyl Ether	4.562	73	649760	10.223	ppbv	100
29) Chloroform	5.253	83	1695773	10.052	ppbv	97
30) Cyclohexane	6.581	84	916289	11.530	ppbv	100
31) cis-1,2-Dichloroethene	5.057	61	1047109	10.699	ppbv	97
32) 1,1,1-Trichloroethane	5.986	97	1660234	11.049	ppbv	99
34) 2-Butanone	4.764	43	1454845	10.136	ppbv	99
35) Carbon Tetrachloride	6.478	117	1734030	11.741	ppbv	98
36) Benzene	6.349	78	2292591	10.967	ppbv	98
37) 1,2-Dichloroethane	5.787	62	1278382	10.539	ppbv	100
38) Trichloroethene	7.275	130	1202684	11.172	ppbv	98
39) 1,2-Dichloropropane	7.053	63	890629	10.472	ppbv	96
40) 1,4-Dioxane	7.269	88	334700	10.440	ppbv #	97
41) Tetrahydrofuran	5.536	42	943501	11.945	ppbv	99
42) Bromodichloromethane	7.230	83	1836026	10.880	ppbv	99
43) Methyl Methacrylate	7.459	69	915009	12.231	ppbv	98
44) 2,2,4-Trimethylpentane	7.311	57	3899364	10.781	ppbv	100
45) t-1,3-Dichloropropene	8.696	75	797256	13.218	ppbv	98

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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	1129281	12.780	ppbv	98
47) 1,1,2-Trichloroethane	8.883	97	952108	10.544	ppbv	96
48) Dibromochloromethane	9.693	129	1577077	11.527	ppbv	100
49) Bromoform	12.394	173	1386944	11.810	ppbv	100
50) 4-Methyl-2-Pentanone	8.163	43	2566228	11.577	ppbv	99
51) 2-Hexanone	9.532	43	2018493	12.039	ppbv	100
52) Tetrachloroethene	10.600	164	856455	11.314	ppbv	98
53) Toluene	9.204	91	2671418	12.038	ppbv	100
54) 1,2-Dibromoethane	9.992	107	1304442	11.731	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.497	131	1170113	10.213	ppbv	98
57) Chlorobenzene	11.513	112	2107671	9.962	ppbv	98
58) Ethyl Benzene	12.076	91	3606334	11.480	ppbv	100
59) m/p-Xylene	12.355	91	6152855m	22.007	ppbv	
60) o-Xylene	13.047	91	2981870	11.124	ppbv	100
61) Styrene	12.883	104	1428471	12.756	ppbv	99
62) Isopropylbenzene	14.015	105	4308177	10.608	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.037	83	1413615	10.314	ppbv	99
64) n-propylbenzene	14.902	120	1160749	11.067	ppbv	99
65) tert-Butylbenzene	16.076	119	3852669	10.349	ppbv	100
66) Benzyl Chloride	16.317	91	211989	10.954	ppbv	96
67) sec-Butylbenzene	16.622	105	5436925	10.527	ppbv	100
69) p-Isopropyltoluene	16.982	119	4543580	10.868	ppbv	100
70) n-Butylbenzene	17.870	91	4670620	10.665	ppbv	100
71) 2-Chlorotoluene	14.786	91	3249347	10.874	ppbv	99
72) 4-Ethyltoluene	15.179	105	3549686	11.329	ppbv	99
73) 1,3,5-Trimethylbenzene	15.336	105	3035466	10.971	ppbv	98
74) 1,2,4-Trimethylbenzene	16.092	105	3374776	10.421	ppbv	95
75) 1,3-Dichlorobenzene	16.317	146	2064129	10.170	ppbv	99
76) 1,4-Dichlorobenzene	16.461	146	2013375	10.352	ppbv	100
77) 1,2-Dichlorobenzene	17.130	146	2012153	10.042	ppbv	99
78) Hexachloro-1,3-Butadiene	22.619	225	1397488	8.455	ppbv	99
79) Naphthalene	21.368	128	2813196	11.803	ppbv	99
80) Naphthalene,2-methyl-	24.365	142	1124692	6.734	ppbv	99
81) 1,2,4-Trichlorobenzene	21.124	180	1473876	9.727	ppbv	99

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

