

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070124\
 Data File : VL041368.D
 Acq On : 1 Jul 2024 14:55
 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 :Mahesh Dadoda 07/02/2024
 Supervised By :Semsettin Yesilyurt 07/02/2024

Quant Time: Jul 01 23:30:40 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL062624AIR.M

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

QLast Update : Mon Jul 01 23:27:24 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.218	49	1048020	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2829330	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2702974m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.777 95 2009178 9.917 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.771	85	1467883	8.209	ppbv	99
3) Chlorodifluoromethane	2.716	51	1606291	8.889	ppbv	100
4) Chloromethane	2.854	50	618921	8.962	ppbv	100
5) Vinyl Chloride	2.960	62	638550	8.557	ppbv	97
6) Bromomethane	3.156	94	211724	8.969	ppbv	98
7) Chloroethane	3.234	64	225842	9.160	ppbv	99
8) Dichlorotetrafluoroethane	2.899	85	1577954	9.078	ppbv	100
9) Propene	2.735	41	554158	8.862	ppbv	99
10) Heptane	7.594	43	1354369	9.221	ppbv	100
11) Trichlorofluoromethane	3.597	101	1582718	9.092	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.095	101	1090089	8.935	ppbv	100
13) Ethanol	3.282	45	132460m	9.549	ppbv	
14) Bromoethene	3.401	108	455410	9.306	ppbv	96
15) Acetone	3.504	43	1194107	8.627	ppbv	99
16) 1,3-Butadiene	3.025	39	619341	9.401	ppbv	96
17) tert-Butyl alcohol	3.915	59	1127700	10.561	ppbv	100
18) 1,1-Dichloroethene	3.912	96	511388	9.535	ppbv	98
19) Isopropyl Alcohol	3.613	45	814200	10.715	ppbv	100
20) Methylene Chloride	3.964	84	415941	8.282	ppbv	99
21) Allyl Chloride	4.025	41	770566	9.229	ppbv	100
22) trans-1,2-Dichloroethene	4.472	96	495509	9.302	ppbv	99
23) Vinyl Acetate	4.652	43	1430215	10.482	ppbv	99
24) 1,1-Dichloroethane	4.591	63	1082984	9.156	ppbv	100
25) Ethyl Acetate	5.227	43	2312093	9.072	ppbv	99
26) Hexane	5.234	57	1006978	8.922	ppbv	98
27) Carbon Disulfide	4.153	76	1314881	9.576	ppbv	99
28) Methyl tert-Butyl Ether	4.613	73	771966	9.222	ppbv	98
29) Chloroform	5.298	83	1588096	9.121	ppbv	97
30) Cyclohexane	6.616	84	859203	9.557	ppbv	98
31) cis-1,2-Dichloroethene	5.102	61	1000830	9.250	ppbv	99
32) 1,1,1-Trichloroethane	6.021	97	1568503	8.582	ppbv	99
34) 2-Butanone	4.812	43	1401230	9.385	ppbv	99
35) Carbon Tetrachloride	6.510	117	1642189	8.789	ppbv	98
36) Benzene	6.388	78	2130108	9.097	ppbv	98
37) 1,2-Dichloroethane	5.825	62	1225504	9.121	ppbv	100
38) Trichloroethene	7.304	130	826689	8.104	ppbv	98
39) 1,2-Dichloropropane	7.089	63	809903	8.950	ppbv	98
40) 1,4-Dioxane	7.304	88	298841	10.301	ppbv #	8
41) Tetrahydrofuran	5.578	42	882016	9.537	ppbv	99
42) Bromodichloromethane	7.262	83	1745411	9.285	ppbv	99
43) Methyl Methacrylate	7.491	69	845918	9.616	ppbv	100
44) 2,2,4-Trimethylpentane	7.340	57	3561544	8.950	ppbv	99
45) t-1,3-Dichloropropene	8.719	75	583112	10.473	ppbv	96

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	726643	9.706	ppbv	97
47) 1,1,2-Trichloroethane	8.909	97	869461	8.958	ppbv	97
48) Dibromochloromethane	9.716	129	1469119	9.426	ppbv	100
49) Bromoform	12.410	173	1203635	9.697	ppbv	100
50) 4-Methyl-2-Pentanone	8.192	43	2188691	9.129	ppbv	100
51) 2-Hexanone	9.558	43	1562862	9.170	ppbv #	99
52) Tetrachloroethene	10.622	164	761200	8.095	ppbv	98
53) Toluene	9.227	91	2492311	9.437	ppbv	100
54) 1,2-Dibromoethane	10.018	107	1160584	9.663	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.513	131	1069185	8.790	ppbv	98
57) Chlorobenzene	11.532	112	1837382	8.665	ppbv	99
58) Ethyl Benzene	12.092	91	3319854	9.180	ppbv	100
59) m/p-Xylene	12.375	91	5565836m	17.784	ppbv	
60) o-Xylene	13.063	91	2624536	8.885	ppbv	99
61) Styrene	12.899	104	1424922	9.934	ppbv	100
62) Isopropylbenzene	14.034	105	3962041	8.689	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.053	83	1896513	8.150	ppbv	100
64) n-propylbenzene	14.921	120	1051298	8.832	ppbv	97
65) tert-Butylbenzene	16.092	119	3586071	8.832	ppbv	99
66) Benzyl Chloride	16.330	91	272359m	10.208	ppbv	
67) sec-Butylbenzene	16.635	105	5091773	8.867	ppbv	99
69) p-Isopropyltoluene	16.995	119	4225198	8.909	ppbv	100
70) n-Butylbenzene	17.886	91	4393505	9.062	ppbv	100
71) 2-Chlorotoluene	14.802	91	3049970	9.003	ppbv	99
72) 4-Ethyltoluene	15.195	105	3281947	9.329	ppbv	100
73) 1,3,5-Trimethylbenzene	15.352	105	2816637	9.353	ppbv	99
74) 1,2,4-Trimethylbenzene	16.108	105	3101730	9.141	ppbv	93
75) 1,3-Dichlorobenzene	16.333	146	1829748	9.090	ppbv	100
76) 1,4-Dichlorobenzene	16.474	146	1817397	9.062	ppbv	98
77) 1,2-Dichlorobenzene	17.143	146	1779336	8.670	ppbv	99
78) Hexachloro-1,3-Butadiene	22.641	225	660834	4.427	ppbv	99
79) Naphthalene	21.394	128	851092	4.664	ppbv	99
80) Naphthalene,2-methyl-	24.371	142	1001	2.084	ppbv #	29
81) 1,2,4-Trichlorobenzene	21.153	180	572418	5.075	ppbv	98

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

