

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
 Data File : VL041451.D
 Acq On : 30 Jul 2024 5:53
 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 07/30/2024
 Supervised By :Semsettin Yesilyurt 07/30/2024

Quant Time: Jul 30 06:50:18 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

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

QLast Update : Tue Jul 30 02:42:20 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1087417	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.658	114	2933912	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.468	117	3003096m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.777 95 2224908 9.627 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.739	85	1662419	8.886	ppbv	99
3) Chlorodifluoromethane	2.684	51	1324820	10.234	ppbv	99
4) Chloromethane	2.822	50	678091	9.848	ppbv	96
5) Vinyl Chloride	2.928	62	692298	10.201	ppbv	99
6) Bromomethane	3.128	94	374301	10.731	ppbv	100
7) Chloroethane	3.208	64	233985	9.990	ppbv	98
8) Dichlorotetrafluoroethane	2.867	85	1658238	10.004	ppbv	99
9) Propene	2.703	41	569717	9.580	ppbv	96
10) Heptane	7.584	43	1445417	10.818	ppbv	99
11) Trichlorofluoromethane	3.568	101	1643874	9.895	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.073	101	1172144	9.798	ppbv	99
13) Ethanol	3.247	45	102785	19.338	ppbv	95
14) Bromoethene	3.372	108	487521	10.453	ppbv	99
15) Acetone	3.475	43	1248471	10.105	ppbv	100
16) 1,3-Butadiene	2.993	39	676568	10.249	ppbv	99
17) tert-Butyl alcohol	3.883	59	1226932	10.888	ppbv	100
18) 1,1-Dichloroethene	3.886	96	541579	10.583	ppbv	98
19) Isopropyl Alcohol	3.578	45	792774	10.975	ppbv #	98
20) Methylene Chloride	3.938	84	424327	9.210	ppbv	97
21) Allyl Chloride	4.002	41	842641	10.399	ppbv	99
22) trans-1,2-Dichloroethene	4.449	96	537023	10.495	ppbv	99
23) Vinyl Acetate	4.629	43	1201242	12.730	ppbv	99
24) 1,1-Dichloroethane	4.568	63	1124344	10.120	ppbv	99
25) Ethyl Acetate	5.208	43	2583995	10.527	ppbv	99
26) Hexane	5.218	57	1081565	10.622	ppbv	99
27) Carbon Disulfide	4.131	76	1248403	10.480	ppbv	99
28) Methyl tert-Butyl Ether	4.591	73	666333	10.377	ppbv	99
29) Chloroform	5.279	83	1658023	9.983	ppbv	98
30) Cyclohexane	6.607	84	922089	11.121	ppbv	99
31) cis-1,2-Dichloroethene	5.082	61	1083458	10.771	ppbv	97
32) 1,1,1-Trichloroethane	6.008	97	1630801	10.087	ppbv	100
34) 2-Butanone	4.790	43	1573071	11.084	ppbv	100
35) Carbon Tetrachloride	6.497	117	1699996	10.505	ppbv	99
36) Benzene	6.375	78	2291201	10.687	ppbv	99
37) 1,2-Dichloroethane	5.812	62	1278729	10.657	ppbv	100
38) Trichloroethene	7.295	130	918161	9.349	ppbv	99
39) 1,2-Dichloropropane	7.076	63	883077	10.759	ppbv	98
40) 1,4-Dioxane	7.288	88	360687	10.940	ppbv #	1
41) Tetrahydrofuran	5.558	42	942496	11.611	ppbv	98
42) Bromodichloromethane	7.253	83	1813213	10.465	ppbv	100
43) Methyl Methacrylate	7.478	69	931397	12.116	ppbv	98
44) 2,2,4-Trimethylpentane	7.330	57	3820922	10.671	ppbv	100
45) t-1,3-Dichloropropene	8.709	75	969920	13.707	ppbv	97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	1278187	12.509	ppbv	97
47) 1,1,2-Trichloroethane	8.899	97	946404	10.461	ppbv	97
48) Dibromochloromethane	9.713	129	1546200	10.609	ppbv	100
49) Bromoform	12.410	173	1345365	10.928	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	2513869	11.227	ppbv	100
51) 2-Hexanone	9.552	43	2068628	12.218	ppbv	99
52) Tetrachloroethene	10.619	164	866465	10.460	ppbv	98
53) Toluene	9.224	91	2677820	11.214	ppbv	99
54) 1,2-Dibromoethane	10.012	107	1365337	11.338	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.510	131	1147986	9.857	ppbv #	57
57) Chlorobenzene	11.529	112	2045170	9.565	ppbv	99
58) Ethyl Benzene	12.089	91	3556161	10.274	ppbv	98
59) m/p-Xylene	12.372	91	6012171m	20.121	ppbv	
60) o-Xylene	13.060	91	2869292	10.151	ppbv	100
61) Styrene	12.896	104	1434805	11.251	ppbv	99
62) Isopropylbenzene	14.031	105	4254832	9.902	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.050	83	1969599	11.035	ppbv	100
64) n-propylbenzene	14.915	120	1141368	10.160	ppbv	98
65) tert-Butylbenzene	16.092	119	3795661	9.779	ppbv	100
66) Benzyl Chloride	16.330	91	398798	16.020	ppbv	99
67) sec-Butylbenzene	16.635	105	5294473	9.901	ppbv	100
69) p-Isopropyltoluene	16.995	119	4472637	10.079	ppbv	100
70) n-Butylbenzene	17.886	91	4600232	10.113	ppbv	99
71) 2-Chlorotoluene	14.802	91	3203497	10.109	ppbv	99
72) 4-Ethyltoluene	15.195	105	3451450	10.372	ppbv	99
73) 1,3,5-Trimethylbenzene	15.352	105	2931715	10.226	ppbv	100
74) 1,2,4-Trimethylbenzene	16.108	105	3240681	9.723	ppbv	98
75) 1,3-Dichlorobenzene	16.333	146	2016144	9.623	ppbv	100
76) 1,4-Dichlorobenzene	16.474	146	1990201	9.810	ppbv	100
77) 1,2-Dichlorobenzene	17.143	146	1948658	9.382	ppbv	99
78) Hexachloro-1,3-Butadiene	22.632	225	1583638	8.941	ppbv	100
79) Naphthalene	21.381	128	3554648	12.083	ppbv	99
80) Naphthalene,2-methyl-	24.368	142	1675218	6.793	ppbv	99
81) 1,2,4-Trichlorobenzene	21.136	180	1866215	10.660	ppbv	99

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

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