

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
 Data File : VL041420.D
 Acq On : 29 Jul 2024 8:19
 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 02:45:39 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	5.179	49	1158667	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	3171392	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	3225299	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.773 95 2405503 9.692 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.710	85	1460693	7.328	ppbv	99
3) Chlorodifluoromethane	2.655	51	1300627	9.429	ppbv	100
4) Chloromethane	2.793	50	667671	9.101	ppbv	97
5) Vinyl Chloride	2.902	62	682847	9.443	ppbv	96
6) Bromomethane	3.102	94	365406	9.832	ppbv	97
7) Chloroethane	3.182	64	246291	9.869	ppbv	98
8) Dichlorotetrafluoroethane	2.838	85	1652912	9.359	ppbv	98
9) Propene	2.671	41	574787	9.071	ppbv	99
10) Heptane	7.571	43	1452179	10.200	ppbv	100
11) Trichlorofluoromethane	3.546	101	1614796	9.122	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.050	101	1171723	9.192	ppbv	100
13) Ethanol	3.227	45	41825m	7.385	ppbv	
14) Bromoethene	3.349	108	478887	9.636	ppbv	99
15) Acetone	3.452	43	1199277	9.110	ppbv	100
16) 1,3-Butadiene	2.967	39	675326	9.601	ppbv	100
17) tert-Butyl alcohol	3.861	59	1234275	10.280	ppbv	99
18) 1,1-Dichloroethene	3.867	96	519749	9.532	ppbv	98
19) Isopropyl Alcohol	3.562	45	747849	9.717	ppbv	99
20) Methylene Chloride	3.918	84	431112	8.782	ppbv	98
21) Allyl Chloride	3.980	41	845364	9.791	ppbv	99
22) trans-1,2-Dichloroethene	4.430	96	535624	9.824	ppbv	96
23) Vinyl Acetate	4.613	43	1068724	10.629	ppbv	# 99
24) 1,1-Dichloroethane	4.549	63	1130436	9.549	ppbv	99
25) Ethyl Acetate	5.192	43	2569007	9.823	ppbv	99
26) Hexane	5.198	57	1065238	9.818	ppbv	99
27) Carbon Disulfide	4.108	76	1304877	10.281	ppbv	99
28) Methyl tert-Butyl Ether	4.571	73	656011	9.588	ppbv	99
29) Chloroform	5.263	83	1677280	9.478	ppbv	99
30) Cyclohexane	6.594	84	927243	10.495	ppbv	98
31) cis-1,2-Dichloroethene	5.066	61	1047405	9.773	ppbv	98
32) 1,1,1-Trichloroethane	5.992	97	1648336	9.569	ppbv	100
34) 2-Butanone	4.774	43	1324291	8.632	ppbv	99
35) Carbon Tetrachloride	6.484	117	1755494	10.036	ppbv	99
36) Benzene	6.359	78	2297398	9.914	ppbv	99
37) 1,2-Dichloroethane	5.796	62	1293301	9.972	ppbv	100
38) Trichloroethene	7.282	130	1080879	10.181	ppbv	97
39) 1,2-Dichloropropane	7.063	63	882920	9.952	ppbv	97
40) 1,4-Dioxane	7.275	88	354417	9.944	ppbv	# 1
41) Tetrahydrofuran	5.545	42	927948	10.576	ppbv	99
42) Bromodichloromethane	7.240	83	1877969	10.028	ppbv	100
43) Methyl Methacrylate	7.465	69	913985	10.999	ppbv	98
44) 2,2,4-Trimethylpentane	7.317	57	3828523	9.892	ppbv	99
45) t-1,3-Dichloropropene	8.703	75	932943	12.198	ppbv	95

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	1250483	11.322	ppbv	97
47) 1,1,2-Trichloroethane	8.893	97	959380	9.810	ppbv	97
48) Dibromochloromethane	9.703	129	1616507	10.261	ppbv	99
49) Bromoform	12.404	173	1419478	10.666	ppbv	99
50) 4-Methyl-2-Pentanone	8.172	43	2559795	10.576	ppbv	100
51) 2-Hexanone	9.542	43	2088567	11.412	ppbv	99
52) Tetrachloroethene	10.610	164	894422	9.989	ppbv	98
53) Toluene	9.217	91	2722956	10.549	ppbv	100
54) 1,2-Dibromoethane	10.002	107	1401882	10.770	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.507	131	1170991	9.362	ppbv #	56
57) Chlorobenzene	11.523	112	2096356	9.129	ppbv	99
58) Ethyl Benzene	12.085	91	3666360	9.862	ppbv	99
59) m/p-Xylene	12.368	91	6207971m	19.345	ppbv	
60) o-Xylene	13.056	91	2937605	9.677	ppbv	100
61) Styrene	12.896	104	1470927	10.740	ppbv	99
62) Isopropylbenzene	14.027	105	4310246	9.340	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.044	83	1795823	9.368	ppbv	100
64) n-propylbenzene	14.915	120	1154714	9.571	ppbv	95
65) tert-Butylbenzene	16.092	119	3908206	9.376	ppbv	100
66) Benzyl Chloride	16.326	91	290393	10.861	ppbv	99
67) sec-Butylbenzene	16.635	105	5458240	9.504	ppbv	100
69) p-Isopropyltoluene	16.995	119	4597224	9.646	ppbv	100
70) n-Butylbenzene	17.883	91	4727403	9.676	ppbv	100
71) 2-Chlorotoluene	14.799	91	3245171	9.535	ppbv	98
72) 4-Ethyltoluene	15.191	105	3563032	9.969	ppbv	99
73) 1,3,5-Trimethylbenzene	15.349	105	3046640	9.895	ppbv	99
74) 1,2,4-Trimethylbenzene	16.108	105	3422472	9.561	ppbv	100
75) 1,3-Dichlorobenzene	16.330	146	2110031	9.377	ppbv	99
76) 1,4-Dichlorobenzene	16.474	146	2073042	9.515	ppbv	99
77) 1,2-Dichlorobenzene	17.143	146	2078394	9.317	ppbv	100
78) Hexachloro-1,3-Butadiene	22.632	225	1572392	8.266	ppbv	100
79) Naphthalene	21.381	128	3537793	11.197	ppbv	99
80) Naphthalene,2-methyl-	24.371	142	3245777	12.255	ppbv	99
81) 1,2,4-Trichlorobenzene	21.136	180	1854578	9.864	ppbv	100

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

