

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012524\
 Data File : VL041032.D
 Acq On : 25 Jan 2024 16:34
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/26/2024
 Supervised By : Mahesh Dadoda 01/26/2024

Quant Time: Jan 26 00:29:18 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M

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

QLast Update : Fri Jan 26 00:23:09 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1071961	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2590566	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2530107m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 1960143 10.257 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 102.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	2279795	9.629	ppbv	99
3) Chlorodifluoromethane	2.661	51	1729111	9.590	ppbv	99
4) Chloromethane	2.803	50	642363	9.505	ppbv	97
5) Vinyl Chloride	2.909	62	670649	10.122	ppbv	98
6) Bromomethane	3.108	94	200369	6.945	ppbv	95
7) Chloroethane	3.186	64	231582	9.707	ppbv	98
8) Dichlorotetrafluoroethane	2.845	85	1684330	9.523	ppbv	99
9) Propene	2.681	41	580621	9.818	ppbv	94
10) Heptane	7.568	43	1436395	9.869	ppbv	99
11) Trichlorofluoromethane	3.549	101	1821709	9.549	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.054	101	1271383	9.195	ppbv	100
13) Ethanol	3.227	45	103285	7.328	ppbv	96
14) Bromoethene	3.356	108	537604	10.127	ppbv	99
15) Acetone	3.456	43	1275313	9.303	ppbv	97
16) 1,3-Butadiene	2.973	39	658384	10.040	ppbv	100
17) tert-Butyl alcohol	3.867	59	1078269	9.590	ppbv	100
18) 1,1-Dichloroethene	3.867	96	564490	9.536	ppbv	95
19) Isopropyl Alcohol	3.565	45	735126	9.264	ppbv	100
20) Methylene Chloride	3.922	84	461509	8.749	ppbv	93
21) Allyl Chloride	3.983	41	740625	8.892	ppbv	99
22) trans-1,2-Dichloroethene	4.433	96	564622	9.263	ppbv	98
23) Vinyl Acetate	4.616	43	1300628	9.204	ppbv	98
24) 1,1-Dichloroethane	4.552	63	1159062	9.246	ppbv	100
25) Ethyl Acetate	5.192	43	2441791	9.824	ppbv	99
26) Hexane	5.202	57	1047553	9.887	ppbv	98
27) Carbon Disulfide	4.112	76	1400806	10.160	ppbv	99
28) Methyl tert-Butyl Ether	4.575	73	778084	8.849	ppbv	98
29) Chloroform	5.266	83	1832365	9.751	ppbv	99
30) Cyclohexane	6.591	84	862475	9.716	ppbv	97
31) cis-1,2-Dichloroethene	5.066	61	1074571	10.806	ppbv	96
32) 1,1,1-Trichloroethane	5.992	97	1800286	10.024	ppbv	99
34) 2-Butanone	4.774	43	1299588	10.530	ppbv	98
35) Carbon Tetrachloride	6.484	117	1896304	10.977	ppbv	98
36) Benzene	6.362	78	2205773	10.310	ppbv	99
37) 1,2-Dichloroethane	5.793	62	1364947	10.454	ppbv	99
38) Trichloroethene	7.279	130	852958	9.944	ppbv	97
39) 1,2-Dichloropropane	7.063	63	864683	10.259	ppbv	95
40) 1,4-Dioxane	7.272	88	348620	9.959	ppbv	87
41) Tetrahydrofuran	5.546	42	881108	10.515	ppbv	100
42) Bromodichloromethane	7.237	83	2020951	10.818	ppbv	99
43) Methyl Methacrylate	7.465	69	915938	11.094	ppbv	98
44) 2,2,4-Trimethylpentane	7.314	57	3759501	10.443	ppbv	98
45) t-1,3-Dichloropropene	8.700	75	408693	7.245	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	546563	7.769	ppbv	96
47) 1,1,2-Trichloroethane	8.886	97	947809	10.433	ppbv	98
48) Dibromochloromethane	9.697	129	1669806	10.872	ppbv	99
49) Bromoform	12.394	173	1408901	11.694	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	2431896	11.189	ppbv	98
51) 2-Hexanone	9.539	43	1720273	10.980	ppbv #	99
52) Tetrachloroethene	10.603	164	751576	10.578	ppbv	99
53) Toluene	9.208	91	2544337	10.856	ppbv	99
54) 1,2-Dibromoethane	9.999	107	1237934	10.062	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.497	131	1239220	10.208	ppbv	98
57) Chlorobenzene	11.516	112	1970970	9.684	ppbv	99
58) Ethyl Benzene	12.076	91	3499202	10.299	ppbv	98
59) m/p-Xylene	12.362	91	6032322m	20.364	ppbv	
60) o-Xylene	13.044	91	2924665	10.290	ppbv	99
61) Styrene	12.886	104	1427263	10.936	ppbv	99
62) Isopropylbenzene	14.018	105	4236644	10.080	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.037	83	2175250	9.848	ppbv	100
64) n-propylbenzene	14.905	120	1077866	10.150	ppbv	99
65) tert-Butylbenzene	16.079	119	3695652	10.064	ppbv	98
66) Benzyl Chloride	16.317	91	137215m	5.702	ppbv	
67) sec-Butylbenzene	16.622	105	5292691	9.898	ppbv	100
69) p-Isopropyltoluene	16.982	119	4173629	10.076	ppbv	99
70) n-Butylbenzene	17.873	91	4536735	10.136	ppbv	99
71) 2-Chlorotoluene	14.786	91	3269756	10.082	ppbv	99
72) 4-Ethyltoluene	15.182	105	3272083	10.308	ppbv	98
73) 1,3,5-Trimethylbenzene	15.339	105	2854566	10.133	ppbv	100
74) 1,2,4-Trimethylbenzene	16.092	105	3167297	9.918	ppbv	97
75) 1,3-Dichlorobenzene	16.320	146	1783881	9.815	ppbv	99
76) 1,4-Dichlorobenzene	16.458	146	1712445	9.548	ppbv	100
77) 1,2-Dichlorobenzene	17.127	146	1729776	9.575	ppbv	98
78) Hexachloro-1,3-Butadiene	22.616	225	962333	8.261	ppbv	100
79) Naphthalene	21.371	128	2108737	11.575	ppbv	98
80) Naphthalene,2-methyl-	24.362	142	371687	11.617	ppbv	96
81) 1,2,4-Trichlorobenzene	21.124	180	1056255	9.937	ppbv	98

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

