

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031424\
 Data File : VL041104.D
 Acq On : 14 Mar 2024 11:37
 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 03/18/2024
 Supervised By : Mahesh Dadoda 03/18/2024

Quant Time: Mar 15 02:45:48 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M

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

QLast Update : Fri Mar 15 02:44:43 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1379919	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	3566833	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.459	117	3320264	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 2636862 10.158 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	1954427	7.433	ppbv	98
3) Chlorodifluoromethane	2.661	51	2052530	10.128	ppbv	100
4) Chloromethane	2.800	50	787208	10.263	ppbv	100
5) Vinyl Chloride	2.909	62	833040	10.673	ppbv	97
6) Bromomethane	3.108	94	236443	7.639	ppbv	99
7) Chloroethane	3.186	64	277627	10.243	ppbv	96
8) Dichlorotetrafluoroethane	2.845	85	1956685	10.247	ppbv	97
9) Propene	2.681	41	713081	10.565	ppbv	99
10) Heptane	7.568	43	1706676	10.568	ppbv	98
11) Trichlorofluoromethane	3.552	101	2000559	9.867	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.054	101	1480992	9.935	ppbv	99
13) Ethanol	3.227	45	137339	7.636	ppbv	95
14) Bromoethene	3.353	108	624548	10.745	ppbv	98
15) Acetone	3.456	43	1437920	9.146	ppbv	100
16) 1,3-Butadiene	2.973	39	767447	10.762	ppbv	100
17) tert-Butyl alcohol	3.864	59	1465811	12.592	ppbv	99
18) 1,1-Dichloroethene	3.867	96	658331	10.118	ppbv	98
19) Isopropyl Alcohol	3.562	45	969181	11.541	ppbv	99
20) Methylene Chloride	3.922	84	565703	9.230	ppbv	95
21) Allyl Chloride	3.986	41	891752	10.043	ppbv	98
22) trans-1,2-Dichloroethene	4.433	96	693036	9.124	ppbv	98
23) Vinyl Acetate	4.613	43	1621706	9.116	ppbv	99
24) 1,1-Dichloroethane	4.552	63	1394838	8.679	ppbv	99
25) Ethyl Acetate	5.195	43	2810558	9.923	ppbv	99
26) Hexane	5.202	57	1248694	9.864	ppbv	99
27) Carbon Disulfide	4.112	76	1665308	10.974	ppbv	100
28) Methyl tert-Butyl Ether	4.575	73	968890	8.656	ppbv	99
29) Chloroform	5.266	83	2103489	9.758	ppbv	95
30) Cyclohexane	6.587	84	1105620	10.540	ppbv	97
31) cis-1,2-Dichloroethene	5.070	61	1248677	10.133	ppbv	97
32) 1,1,1-Trichloroethane	5.992	97	2117629	10.846	ppbv	99
34) 2-Butanone	4.774	43	1521784	8.617	ppbv	99
35) Carbon Tetrachloride	6.484	117	2210591	10.605	ppbv	99
36) Benzene	6.362	78	2710846	10.210	ppbv	99
37) 1,2-Dichloroethane	5.796	62	1600191	10.018	ppbv	99
38) Trichloroethene	7.282	130	1075842	11.156	ppbv	96
39) 1,2-Dichloropropane	7.063	63	1055756	9.941	ppbv	97
40) 1,4-Dioxane	7.279	88	394672	9.439	ppbv	85
41) Tetrahydrofuran	5.542	42	1085631	10.329	ppbv	99
42) Bromodichloromethane	7.240	83	2330561	10.184	ppbv	99
43) Methyl Methacrylate	7.465	69	1125543	10.959	ppbv	100
44) 2,2,4-Trimethylpentane	7.317	57	4441796	10.018	ppbv	99
45) t-1,3-Dichloropropene	8.703	75	590774	8.357	ppbv	99

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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	790160	8.900	ppbv	97
47) 1,1,2-Trichloroethane	8.890	97	1148342	10.137	ppbv	97
48) Dibromochloromethane	9.700	129	1977933	10.712	ppbv	100
49) Bromoform	12.401	173	1574752	10.722	ppbv	98
50) 4-Methyl-2-Pentanone	8.169	43	2833253	10.878	ppbv	100
51) 2-Hexanone	9.539	43	2103950	11.027	ppbv #	99
52) Tetrachloroethene	10.610	164	925159	11.235	ppbv	99
53) Toluene	9.211	91	3079509	10.761	ppbv	100
54) 1,2-Dibromoethane	9.999	107	1500163	10.297	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.497	131	1433079	10.088	ppbv	99
57) Chlorobenzene	11.520	112	2377269	10.157	ppbv	99
58) Ethyl Benzene	12.082	91	4129206	10.622	ppbv	100
59) m/p-Xylene	12.362	91	7053361m	20.671	ppbv	
60) o-Xylene	13.050	91	3354503	10.354	ppbv	98
61) Styrene	12.889	104	1712945	11.708	ppbv	99
62) Isopropylbenzene	14.021	105	4919313	10.221	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.040	83	2533521	10.404	ppbv	99
64) n-propylbenzene	14.905	120	1281502	10.582	ppbv	99
65) tert-Butylbenzene	16.082	119	4368846	10.444	ppbv	99
66) Benzyl Chloride	16.317	91	179169	6.322	ppbv	98
67) sec-Butylbenzene	16.629	105	6170534	10.255	ppbv	100
69) p-Isopropyltoluene	16.986	119	4991893	10.636	ppbv	100
70) n-Butylbenzene	17.879	91	5406114	10.658	ppbv	100
71) 2-Chlorotoluene	14.793	91	3818678	10.373	ppbv	98
72) 4-Ethyltoluene	15.185	105	3762494	10.548	ppbv	97
73) 1,3,5-Trimethylbenzene	15.343	105	3357942	10.638	ppbv	100
74) 1,2,4-Trimethylbenzene	16.098	105	3740812	10.376	ppbv	95
75) 1,3-Dichlorobenzene	16.323	146	2137788	10.383	ppbv	99
76) 1,4-Dichlorobenzene	16.465	146	2069685	9.977	ppbv	99
77) 1,2-Dichlorobenzene	17.137	146	2092836	10.403	ppbv	100
78) Hexachloro-1,3-Butadiene	22.625	225	1244520	8.787	ppbv	100
79) Naphthalene	21.375	128	2910603	13.941	ppbv	99
80) Naphthalene,2-methyl-	24.368	142	595561	17.796	ppbv	96
81) 1,2,4-Trichlorobenzene	21.130	180	1451025	12.069	ppbv	99

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

