

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110823\
 Data File : VL040809.D
 Acq On : 8 Nov 2023 13:08
 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 11/11/2023
 Supervised By : Mahesh Dadoda 11/13/2023

Quant Time: Nov 09 00:25:45 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Thu Nov 09 00:25:02 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.208	49	1113451	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2795787	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.461	117	2601266	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 1898650 9.919 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.771	85	2218077	11.312	ppbv	98
3) Chlorodifluoromethane	2.716	51	1760354	10.758	ppbv	96
4) Chloromethane	2.854	50	656017	10.153	ppbv	99
5) Vinyl Chloride	2.960	62	671805	10.062	ppbv	99
6) Bromomethane	3.156	94	292189	10.579	ppbv	94
7) Chloroethane	3.230	64	236856	10.898	ppbv	92
8) Dichlorotetrafluoroethane	2.896	85	1626979	10.946	ppbv	100
9) Propene	2.735	41	606724	9.982	ppbv	99
10) Heptane	7.587	43	1545528	10.122	ppbv	99
11) Trichlorofluoromethane	3.594	101	1731676	11.443	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.092	101	1182253	10.953	ppbv	100
13) Ethanol	3.279	45	127023	9.258	ppbv	98
14) Bromoethene	3.401	108	517733	11.200	ppbv	98
15) Acetone	3.500	43	1193245	10.366	ppbv	98
16) 1,3-Butadiene	3.021	39	645792	10.694	ppbv	97
17) tert-Butyl alcohol	3.906	59	1036735	8.784	ppbv	99
18) 1,1-Dichloroethene	3.909	96	518850	10.725	ppbv	93
19) Isopropyl Alcohol	3.607	45	749330	10.113	ppbv #	40
20) Methylene Chloride	3.960	84	432056	9.011	ppbv	99
21) Allyl Chloride	4.021	41	803174	10.580	ppbv	95
22) trans-1,2-Dichloroethene	4.468	96	570651	11.083	ppbv	95
23) Vinyl Acetate	4.648	43	1709288	11.652	ppbv #	99
24) 1,1-Dichloroethane	4.587	63	1228819	11.106	ppbv	99
25) Ethyl Acetate	5.221	43	2592919	10.281	ppbv	99
26) Hexane	5.227	57	1127679	9.783	ppbv	98
27) Carbon Disulfide	4.150	76	1393705	10.958	ppbv	98
28) Methyl tert-Butyl Ether	4.610	73	981595	10.951	ppbv	98
29) Chloroform	5.291	83	1886046	11.308	ppbv	99
30) Cyclohexane	6.610	84	971212	9.901	ppbv	98
31) cis-1,2-Dichloroethene	5.098	61	1180138	11.110	ppbv	99
32) 1,1,1-Trichloroethane	6.015	97	1876999	10.574	ppbv	98
34) 2-Butanone	4.806	43	1625122	12.842	ppbv	98
35) Carbon Tetrachloride	6.507	117	2004735	12.775	ppbv	95
36) Benzene	6.381	78	2425157	11.277	ppbv	98
37) 1,2-Dichloroethane	5.822	62	1419645m	12.890	ppbv	
38) Trichloroethene	7.298	130	935098	9.826	ppbv	97
39) 1,2-Dichloropropane	7.082	63	945400	11.253	ppbv	94
40) 1,4-Dioxane	7.291	88	386611	12.160	ppbv #	95
41) Tetrahydrofuran	5.571	42	1003268	11.448	ppbv	99
42) Bromodichloromethane	7.256	83	2113288	12.809	ppbv	98
43) Methyl Methacrylate	7.481	69	1004373	11.668	ppbv	99
44) 2,2,4-Trimethylpentane	7.333	57	3946269	10.852	ppbv	98
45) t-1,3-Dichloropropene	8.716	75	892161	12.997	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	1044316	12.453	ppbv	96
47) 1,1,2-Trichloroethane	8.899	97	1021268	11.572	ppbv	99
48) Dibromochloromethane	9.709	129	1819482	12.302	ppbv	100
49) Bromoform	12.400	173	1467402	12.206	ppbv	100
50) 4-Methyl-2-Pentanone	8.185	43	2534657	11.708	ppbv	98
51) 2-Hexanone	9.548	43	1913344	11.613	ppbv #	98
52) Tetrachloroethene	10.613	164	849190	9.722	ppbv	93
53) Toluene	9.220	91	2801836	10.948	ppbv	98
54) 1,2-Dibromoethane	10.005	107	1518752	12.276	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.503	131	1282068	12.076	ppbv	96
57) Chlorobenzene	11.523	112	2151331	11.543	ppbv	98
58) Ethyl Benzene	12.082	91	3797556	11.595	ppbv	95
59) m/p-Xylene	12.368	91	6397829m	23.735	ppbv	
60) o-Xylene	13.053	91	3055878	11.898	ppbv	97
61) Styrene	12.892	104	1650886	11.601	ppbv	97
62) Isopropylbenzene	14.021	105	4442367	11.243	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.040	83	2207334	11.463	ppbv	100
64) n-propylbenzene	14.908	120	1187033	11.183	ppbv	86
65) tert-Butylbenzene	16.082	119	3928670	11.024	ppbv	95
66) Benzyl Chloride	16.317	91	351466m	9.789	ppbv	
67) sec-Butylbenzene	16.628	105	5538520	11.351	ppbv	97
69) p-Isopropyltoluene	16.985	119	4565139	11.165	ppbv	98
70) n-Butylbenzene	17.876	91	4842476	12.061	ppbv	98
71) 2-Chlorotoluene	14.793	91	3505645	11.811	ppbv	97
72) 4-Ethyltoluene	15.185	105	3551418	11.807	ppbv	98
73) 1,3,5-Trimethylbenzene	15.342	105	3070580	11.595	ppbv	94
74) 1,2,4-Trimethylbenzene	16.101	105	3357662	11.605	ppbv	98
75) 1,3-Dichlorobenzene	16.320	146	1990017	11.059	ppbv	98
76) 1,4-Dichlorobenzene	16.461	146	1960481	11.001	ppbv	97
77) 1,2-Dichlorobenzene	17.133	146	1922022	10.886	ppbv	97
78) Hexachloro-1,3-Butadiene	22.622	225	1190402	9.423	ppbv	99
79) Naphthalene	21.371	128	2839888	12.075	ppbv	99
80) Naphthalene,2-methyl-	24.365	142	734925	11.136	ppbv #	96
81) 1,2,4-Trichlorobenzene	21.133	180	1410025	11.043	ppbv	99

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

