

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100423\
 Data File : VL040734.D
 Acq On : 4 Oct 2023 10:00
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/05/2023
 Supervised By : Mahesh Dadoda 10/05/2023

Quant Time: Oct 05 04:52:45 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M

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

QLast Update : Tue Sep 19 05:12:43 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1141972	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.645	114	3184216	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.452	117	3209237m	10.000	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.761 95 2147097 8.659 ppbv -0.03
 Spiked Amount 10.000 Range 65 - 135 Recovery = 86.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.735	85	2400455	9.540	ppbv	98
3) Chlorodifluoromethane	2.681	51	1811243	9.736	ppbv	95
4) Chloromethane	2.819	50	711200	9.986	ppbv	99
5) Vinyl Chloride	2.925	62	803268	9.543	ppbv	99
6) Bromomethane	3.121	94	380641	9.373	ppbv	95
7) Chloroethane	3.202	64	291970	10.099	ppbv	97
8) Dichlorotetrafluoroethane	2.864	85	1914869	9.219	ppbv	98
9) Propene	2.700	41	610814	11.397	ppbv	96
10) Heptane	7.568	43	1452689	12.029	ppbv	97
11) Trichlorofluoromethane	3.565	101	1930050	8.726	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.063	101	1463999	9.253	ppbv	99
13) Ethanol	3.243	45	138933	8.758	ppbv	99
14) Bromoethene	3.369	108	630154	9.495	ppbv	99
15) Acetone	3.469	43	1345934	8.935	ppbv	99
16) 1,3-Butadiene	2.989	39	682176	10.392	ppbv	91
17) tert-Butyl alcohol	3.877	59	1429350	9.264	ppbv	99
18) 1,1-Dichloroethene	3.880	96	669193	9.515	ppbv	95
19) Isopropyl Alcohol	3.575	45	849027	9.355	ppbv	100
20) Methylene Chloride	3.932	84	568879	7.017	ppbv	94
21) Allyl Chloride	3.996	41	948153	10.271	ppbv	98
22) trans-1,2-Dichloroethene	4.443	96	701834	10.093	ppbv	98
23) Vinyl Acetate	4.623	43	1824250	11.711	ppbv	98
24) 1,1-Dichloroethane	4.562	63	1420593	9.745	ppbv	100
25) Ethyl Acetate	5.198	43	2623670	10.800	ppbv	99
26) Hexane	5.208	57	1220148	10.622	ppbv	92
27) Carbon Disulfide	4.121	76	1748804	10.917	ppbv	99
28) Methyl tert-Butyl Ether	4.581	73	1084015	10.968	ppbv	99
29) Chloroform	5.269	83	1975456	9.960	ppbv	99
30) Cyclohexane	6.594	84	1016080	11.746	ppbv	97
31) cis-1,2-Dichloroethene	5.073	61	1232615	11.565	ppbv	93
32) 1,1,1-Trichloroethane	5.996	97	1994414	9.836	ppbv	98
34) 2-Butanone	4.780	43	1603947	10.016	ppbv	97
35) Carbon Tetrachloride	6.484	117	2046343	9.359	ppbv	96
36) Benzene	6.362	78	2601193	11.032	ppbv	96
37) 1,2-Dichloroethane	5.800	62	1457053	9.029	ppbv	97
38) Trichloroethene	7.282	130	1014814	11.285	ppbv	98
39) 1,2-Dichloropropane	7.063	63	977475	10.770	ppbv	95
40) 1,4-Dioxane	7.272	88	397977	11.599	ppbv #	99
41) Tetrahydrofuran	5.549	42	964104	11.741	ppbv	99
42) Bromodichloromethane	7.240	83	2184894	9.923	ppbv	100
43) Methyl Methacrylate	7.465	69	1046403	11.939	ppbv	97
44) 2,2,4-Trimethylpentane	7.317	57	4164075	11.091	ppbv	97
45) t-1,3-Dichloropropene	8.700	75	855841	12.593	ppbv	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.131	75	1007280	12.114	ppbv	93
47) 1,1,2-Trichloroethane	8.886	97	1092703	10.491	ppbv	98
48) Dibromochloromethane	9.697	129	1878104	10.930	ppbv	98
49) Bromoform	12.394	173	1541070	10.921	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	2420155	11.184	ppbv	96
51) 2-Hexanone	9.536	43	1779604	11.915	ppbv #	95
52) Tetrachloroethene	10.600	164	915946	11.908	ppbv	96
53) Toluene	9.211	91	3015591	12.114	ppbv	100
54) 1,2-Dibromoethane	9.996	107	1573443	11.835	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.497	131	1389343	9.082	ppbv	98
57) Chlorobenzene	11.513	112	2327367	9.577	ppbv	97
58) Ethyl Benzene	12.076	91	3994304	10.917	ppbv	99
59) m/p-Xylene	12.356	91	6816932m	19.841	ppbv	
60) o-Xylene	13.047	91	3260185	9.950	ppbv	99
61) Styrene	12.883	104	1702672	12.399	ppbv	97
62) Isopropylbenzene	14.015	105	4760171	9.622	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.034	83	2346677	9.138	ppbv	99
64) n-propylbenzene	14.902	120	1267127	10.244	ppbv	93
65) tert-Butylbenzene	16.076	119	4196006	9.450	ppbv	96
66) Benzyl Chloride	16.314	91	560937	10.825	ppbv	97
67) sec-Butylbenzene	16.622	105	5929693	9.329	ppbv	100
69) p-Isopropyltoluene	16.982	119	4848377	9.705	ppbv	98
70) n-Butylbenzene	17.870	91	5199708	9.457	ppbv	99
71) 2-Chlorotoluene	14.786	91	3678740	10.051	ppbv	97
72) 4-Ethyltoluene	15.179	105	3823248	10.405	ppbv	99
73) 1,3,5-Trimethylbenzene	15.339	105	3291382	9.948	ppbv	100
74) 1,2,4-Trimethylbenzene	16.092	105	3662459	9.081	ppbv	95
75) 1,3-Dichlorobenzene	16.317	146	2180710	9.489	ppbv	99
76) 1,4-Dichlorobenzene	16.462	146	2115924	9.358	ppbv	99
77) 1,2-Dichlorobenzene	17.127	146	2083977	9.105	ppbv	99
78) Hexachloro-1,3-Butadiene	22.616	225	1553677	8.971	ppbv	99
79) Naphthalene	21.365	128	3311444	13.194	ppbv	97
80) Naphthalene,2-methyl-	24.358	142	901088	14.658	ppbv	97
81) 1,2,4-Trichlorobenzene	21.121	180	1716722	10.471	ppbv	99

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

