

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041023\
 Data File : VL040318.D
 Acq On : 10 Apr 2023 10:15
 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 04/11/2023
 Supervised By : Mahesh Dadoda 04/11/2023

Quant Time: Apr 11 02:05:48 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M

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

QLast Update : Wed Mar 15 16:14:43 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.156	49	1046136	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.619	114	2712693	10.000	ppbv	-0.04
55) Chlorobenzene-d5	11.433	117	2758495m	10.000	ppbv	-0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.741 95 2156717 9.336 ppbv -0.04
 Spiked Amount 10.000 Range 65 - 135 Recovery = 93.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.693	85	1515062	7.381	ppbv	99
3) Chlorodifluoromethane	2.639	51	1142854	8.688	ppbv	100
4) Chloromethane	2.777	50	775108	9.542	ppbv	100
5) Vinyl Chloride	2.883	62	658861	10.017	ppbv	98
6) Bromomethane	3.083	94	212029	9.296	ppbv	99
7) Chloroethane	3.163	64	239655	9.491	ppbv	94
8) Dichlorotetrafluoroethane	2.822	85	1619535	9.218	ppbv	98
9) Propene	2.658	41	507376	10.068	ppbv	96
10) Heptane	7.545	43	1263192	10.421	ppbv	99
11) Trichlorofluoromethane	3.526	101	1658702	8.919	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.031	101	1248647	8.940	ppbv	97
13) Ethanol	3.211	45	29716m	8.040	ppbv	
14) Bromoethene	3.330	108	506488	9.722	ppbv	98
15) Acetone	3.430	43	1128959	8.864	ppbv	98
16) 1,3-Butadiene	2.947	39	593972	10.260	ppbv	100
17) tert-Butyl alcohol	3.838	59	1273158	10.518	ppbv	100
18) 1,1-Dichloroethene	3.845	96	565053	9.431	ppbv	98
19) Isopropyl Alcohol	3.539	45	609554	9.991	ppbv #	97
20) Methylene Chloride	3.896	84	458794	8.563	ppbv	96
21) Allyl Chloride	3.960	41	823240	9.979	ppbv	98
22) trans-1,2-Dichloroethene	4.407	96	578844	9.492	ppbv	98
23) Vinyl Acetate	4.591	43	369162	10.419	ppbv #	95
24) 1,1-Dichloroethane	4.526	63	1175998	9.305	ppbv	97
25) Ethyl Acetate	5.166	43	2310105	9.688	ppbv	99
26) Hexane	5.179	57	1007490	10.294	ppbv	94
27) Carbon Disulfide	4.089	76	1411444	10.325	ppbv	99
28) Methyl tert-Butyl Ether	4.549	73	1084320	9.649	ppbv	100
29) Chloroform	5.237	83	1685494	9.752	ppbv	100
30) Cyclohexane	6.568	84	843029	10.931	ppbv	99
31) cis-1,2-Dichloroethene	5.044	61	936677	9.827	ppbv	95
32) 1,1,1-Trichloroethane	5.970	97	1700677	10.271	ppbv	99
34) 2-Butanone	4.748	43	1280599	9.565	ppbv	100
35) Carbon Tetrachloride	6.459	117	1752151	10.293	ppbv	97
36) Benzene	6.336	78	2120793	10.259	ppbv	99
37) 1,2-Dichloroethane	5.771	62	1285005	9.550	ppbv	98
38) Trichloroethene	7.256	130	1258887	11.144	ppbv	99
39) 1,2-Dichloropropane	7.037	63	804195	9.915	ppbv	98
40) 1,4-Dioxane	7.250	88	322493m	10.051	ppbv	
41) Tetrahydrofuran	5.520	42	785587	10.167	ppbv	98
42) Bromodichloromethane	7.214	83	1823927	9.920	ppbv	96
43) Methyl Methacrylate	7.439	69	825735	10.748	ppbv	98
44) 2,2,4-Trimethylpentane	7.291	57	3514895	10.198	ppbv	99
45) t-1,3-Dichloropropene	8.674	75	780613	11.656	ppbv	97

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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Mar 15 16:14:43 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.108	75	1074724	11.301	ppbv	96
47) 1,1,2-Trichloroethane	8.864	97	867294	10.022	ppbv	98
48) Dibromochloromethane	9.677	129	1438856	10.103	ppbv	100
49) Bromoform	12.378	173	1073994	10.041	ppbv	100
50) 4-Methyl-2-Pentanone	8.147	43	2084092	10.059	ppbv	99
51) 2-Hexanone	9.516	43	1575842	9.818	ppbv #	98
52) Tetrachloroethene	10.581	164	693292	11.085	ppbv	97
53) Toluene	9.185	91	2359028	10.889	ppbv	99
54) 1,2-Dibromoethane	9.973	107	916454	10.288	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.474	131	1037569	8.941	ppbv	97
57) Chlorobenzene	11.494	112	1771527	9.028	ppbv	97
58) Ethyl Benzene	12.056	91	3132936	9.974	ppbv	97
59) m/p-Xylene	12.339	91	5353537m	18.606	ppbv	
60) o-Xylene	13.024	91	2553422	9.283	ppbv	99
61) Styrene	12.864	104	1459995	10.460	ppbv	98
62) Isopropylbenzene	13.999	105	3600209	9.191	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.015	83	796947	8.234	ppbv	99
64) n-propylbenzene	14.883	120	911446	9.509	ppbv	98
65) tert-Butylbenzene	16.060	119	3185760	9.438	ppbv	99
66) Benzyl Chloride	16.294	91	212707	9.696	ppbv	98
67) sec-Butylbenzene	16.606	105	4562337	9.451	ppbv	100
69) p-Isopropyltoluene	16.963	119	3749220	9.973	ppbv	99
70) n-Butylbenzene	17.857	91	4163400	10.052	ppbv	100
71) 2-Chlorotoluene	14.767	91	2763002	9.268	ppbv	99
72) 4-Ethyltoluene	15.162	105	2951024	9.813	ppbv	99
73) 1,3,5-Trimethylbenzene	15.320	105	2619284	9.615	ppbv	95
74) 1,2,4-Trimethylbenzene	16.079	105	2909896	9.367	ppbv	98
75) 1,3-Dichlorobenzene	16.297	146	1629737	9.686	ppbv	99
76) 1,4-Dichlorobenzene	16.442	146	1589905	9.907	ppbv	100
77) 1,2-Dichlorobenzene	17.111	146	1625310	10.050	ppbv	99
78) Hexachloro-1,3-Butadiene	22.603	225	1159156m	9.773	ppbv	
79) Naphthalene	21.349	128	2345699	12.764	ppbv	98
80) Naphthalene,2-methyl-	24.352	142	382458	8.217	ppbv	97
81) 1,2,4-Trichlorobenzene	21.108	180	1237120	10.929	ppbv	99

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

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