

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021523\
 Data File : VL040170.D
 Acq On : 15 Feb 2023 11:09
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/16/2023
 Supervised By :Mahesh Dadoda 02/18/2023

Quant Time: Feb 15 11:50:32 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

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

QLast Update : Wed Feb 15 11:34:13 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1005442	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2617022	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2485017	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.777 95 1965948 9.519 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.713	85	408410	2.317	ppbv	97
3) Chlorodifluoromethane	2.658	51	254574	2.111	ppbv	99
4) Chloromethane	2.796	50	157182	2.109	ppbv	92
5) Vinyl Chloride	2.906	62	138685	2.195	ppbv	96
6) Bromomethane	3.105	94	46559	2.019	ppbv	96
7) Chloroethane	3.182	64	50554	2.093	ppbv	100
8) Dichlorotetrafluoroethane	2.841	85	338130	2.055	ppbv	98
9) Propene	2.677	41	104843	2.092	ppbv	99
10) Heptane	7.571	43	255450	2.212	ppbv	100
11) Trichlorofluoromethane	3.549	101	346264	1.968	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.054	101	264677	2.001	ppbv	99
13) Ethanol	3.234	45	10192m	2.210	ppbv	
14) Bromoethene	3.353	108	96720	1.970	ppbv	92
15) Acetone	3.459	43	276683	2.295	ppbv	100
16) 1,3-Butadiene	2.970	39	116850	2.078	ppbv	94
17) tert-Butyl alcohol	3.867	59	222959	1.986	ppbv	100
18) 1,1-Dichloroethene	3.867	96	111921	1.948	ppbv	99
19) Isopropyl Alcohol	3.568	45	123204	2.088	ppbv	100
20) Methylene Chloride	3.919	84	154094	2.897	ppbv	92
21) Allyl Chloride	3.986	41	156741	2.024	ppbv	96
22) trans-1,2-Dichloroethene	4.433	96	118519	2.018	ppbv	98
23) Vinyl Acetate	4.620	43	77535m	1.984	ppbv	
24) 1,1-Dichloroethane	4.552	63	244606	2.067	ppbv	99
25) Ethyl Acetate	5.195	43	506236	2.383	ppbv	99
26) Hexane	5.201	57	213161	2.293	ppbv	98
27) Carbon Disulfide	4.112	76	256630	2.131	ppbv	99
28) Methyl tert-Butyl Ether	4.581	73	218632	2.090	ppbv	99
29) Chloroform	5.266	83	357014	2.402	ppbv	96
30) Cyclohexane	6.597	84	166671	2.255	ppbv	97
31) cis-1,2-Dichloroethene	5.066	61	198770	2.209	ppbv	96
32) 1,1,1-Trichloroethane	5.992	97	338093	2.238	ppbv	99
34) 2-Butanone	4.777	43	275854	2.228	ppbv	99
35) Carbon Tetrachloride	6.484	117	340086	2.298	ppbv	98
36) Benzene	6.362	78	436316	2.253	ppbv	97
37) 1,2-Dichloroethane	5.796	62	263775	2.119	ppbv	100
38) Trichloroethene	7.285	130	246762	2.245	ppbv	96
39) 1,2-Dichloropropane	7.060	63	169166	2.233	ppbv	95
40) 1,4-Dioxane	7.288	88	67436m	2.243	ppbv	
41) Tetrahydrofuran	5.558	42	161949	2.267	ppbv	99
42) Bromodichloromethane	7.243	83	370069	2.202	ppbv	96
43) Methyl Methacrylate	7.471	69	162843	2.291	ppbv	97
44) 2,2,4-Trimethylpentane	7.317	57	736677	2.287	ppbv	99
45) t-1,3-Dichloropropene	8.703	75	135997	2.146	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	199328	2.302	ppbv #	90
47) 1,1,2-Trichloroethane	8.896	97	181618	2.277	ppbv	94
48) Dibromochloromethane	9.703	129	289662	2.260	ppbv	100
49) Bromoform	12.401	173	224155	2.270	ppbv	99
50) 4-Methyl-2-Pentanone	8.179	43	443891	2.280	ppbv	99
51) 2-Hexanone	9.555	43	337491	2.288	ppbv #	99
52) Tetrachloroethene	10.610	164	141382m	2.232	ppbv	
53) Toluene	9.214	91	481154	2.329	ppbv	99
54) 1,2-Dibromoethane	10.005	107	197777	2.369	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.507	131	224738	2.324	ppbv #	1
57) Chlorobenzene	11.526	112	382122	2.256	ppbv	97
58) Ethyl Benzene	12.089	91	665284	2.399	ppbv	94
59) m/p-Xylene	12.368	91	1158588m	4.647	ppbv	
60) o-Xylene	13.056	91	561470	2.372	ppbv	99
61) Styrene	12.899	104	297497	2.412	ppbv	99
62) Isopropylbenzene	14.024	105	814700	2.393	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.050	83	199936	2.327	ppbv	100
64) n-propylbenzene	14.918	120	199464m	2.357	ppbv	
65) tert-Butylbenzene	16.092	119	717273	2.461	ppbv	97
66) Benzyl Chloride	16.333	91	40836m	2.050	ppbv	
67) sec-Butylbenzene	16.635	105	1035822	2.507	ppbv	99
69) p-Isopropyltoluene	16.995	119	835870	2.574	ppbv	100
70) n-Butylbenzene	17.886	91	911996	2.605	ppbv	98
71) 2-Chlorotoluene	14.802	91	624009	2.383	ppbv	99
72) 4-Ethyltoluene	15.191	105	633992	2.414	ppbv	99
73) 1,3,5-Trimethylbenzene	15.352	105	581390	2.459	ppbv	96
74) 1,2,4-Trimethylbenzene	16.108	105	638263	2.437	ppbv	97
75) 1,3-Dichlorobenzene	16.330	146	351245	2.414	ppbv	98
76) 1,4-Dichlorobenzene	16.478	146	349614m	2.444	ppbv	
77) 1,2-Dichlorobenzene	17.140	146	351474m	2.526	ppbv	
78) Hexachloro-1,3-Butadiene	22.635	225	239653m	2.352	ppbv	
79) Naphthalene	21.387	128	424929	2.832	ppbv	95
80) Naphthalene,2-methyl-	24.387	142	84994	1.681	ppbv	92
81) 1,2,4-Trichlorobenzene	21.146	180	226663	2.451	ppbv	98

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

