

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011623\
 Data File : VL040092.D
 Acq On : 16 Jan 2023 10:58
 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 01/17/2023
 Supervised By :Mahesh Dadoda 01/17/2023

Quant Time: Jan 16 11:28:58 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M

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

QLast Update : Mon Jan 16 11:28:27 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1109946	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2986030	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2829554	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 2305611 10.667 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 106.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.716	85	332819	1.602	ppbv	98
3) Chlorodifluoromethane	2.661	51	282608	1.726	ppbv	97
4) Chloromethane	2.800	50	172502	1.681	ppbv	98
5) Vinyl Chloride	2.906	62	145904	1.757	ppbv	91
6) Bromomethane	3.108	94	52225m	1.712	ppbv	
7) Chloroethane	3.189	64	56238m	1.795	ppbv	
8) Dichlorotetrafluoroethane	2.845	85	369047	1.688	ppbv	98
9) Propene	2.681	41	115771	1.666	ppbv	98
10) Heptane	7.581	43	265619	1.566	ppbv	97
11) Trichlorofluoromethane	3.552	101	411552	1.823	ppbv	92
12) 1,1,2-Trichlorotrifluo...	4.057	101	308431	1.804	ppbv	100
13) Ethanol	3.240	45	12263m	1.875	ppbv	
14) Bromoethene	3.356	108	110414m	1.715	ppbv	
15) Acetone	3.462	43	285609	1.663	ppbv	100
16) 1,3-Butadiene	2.973	39	128645	1.724	ppbv	97
17) tert-Butyl alcohol	3.874	59	235411	1.391	ppbv	97
18) 1,1-Dichloroethene	3.870	96	131700	1.770	ppbv	98
19) Isopropyl Alcohol	3.578	45	132859m	1.570	ppbv	
20) Methylene Chloride	3.922	84	123348	1.690	ppbv	98
21) Allyl Chloride	3.989	41	185347m	1.796	ppbv	
22) trans-1,2-Dichloroethene	4.436	96	134799	1.817	ppbv	96
23) Vinyl Acetate	4.620	43	86498m	1.589	ppbv	
24) 1,1-Dichloroethane	4.558	63	267389	1.673	ppbv	98
25) Ethyl Acetate	5.202	43	497806	1.674	ppbv	98
26) Hexane	5.208	57	208344	1.667	ppbv	97
27) Carbon Disulfide	4.118	76	273963	1.738	ppbv	98
28) Methyl tert-Butyl Ether	4.587	73	240656	1.634	ppbv	98
29) Chloroform	5.269	83	333168	1.747	ppbv	94
30) Cyclohexane	6.600	84	169152	1.528	ppbv	97
31) cis-1,2-Dichloroethene	5.073	61	203960	1.714	ppbv	95
32) 1,1,1-Trichloroethane	5.999	97	363880	1.782	ppbv	98
34) 2-Butanone	4.784	43	284681	1.757	ppbv	97
35) Carbon Tetrachloride	6.494	117	371815	2.005	ppbv	98
36) Benzene	6.365	78	459678	1.724	ppbv	98
37) 1,2-Dichloroethane	5.803	62	292791	1.872	ppbv	98
38) Trichloroethene	7.291	130	260784	1.903	ppbv	94
39) 1,2-Dichloropropane	7.073	63	174733	1.748	ppbv	95
40) 1,4-Dioxane	7.295	88	67938m	1.508	ppbv	
41) Tetrahydrofuran	5.568	42	162650	1.609	ppbv	95
42) Bromodichloromethane	7.246	83	394746	1.842	ppbv	94
43) Methyl Methacrylate	7.478	69	165092	1.650	ppbv	99
44) 2,2,4-Trimethylpentane	7.327	57	774510	1.764	ppbv	99
45) t-1,3-Dichloropropene	8.713	75	136248m	1.611	ppbv	

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.144	75	200011	1.676	ppbv	98
47) 1,1,2-Trichloroethane	8.899	97	186807	1.706	ppbv	97
48) Dibromochloromethane	9.709	129	293339	1.762	ppbv	99
49) Bromoform	12.413	173	224140	1.765	ppbv	99
50) 4-Methyl-2-Pentanone	8.189	43	459913	1.738	ppbv	98
51) 2-Hexanone	9.561	43	348284	1.692	ppbv #	100
52) Tetrachloroethene	10.623	164	149386	1.648	ppbv	92
53) Toluene	9.224	91	484047	1.639	ppbv	100
54) 1,2-Dibromoethane	10.012	107	196649	1.668	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.513	131	225706	1.729	ppbv #	1
57) Chlorobenzene	11.532	112	394340	1.642	ppbv #	94
58) Ethyl Benzene	12.098	91	657778	1.636	ppbv	100
59) m/p-Xylene	12.365	91	1199620m	3.425	ppbv	
60) o-Xylene	13.066	91	571846	1.704	ppbv	99
61) Styrene	12.905	104	290892	1.616	ppbv	99
62) Isopropylbenzene	14.037	105	813570	1.682	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.057	83	201446	1.638	ppbv	97
64) n-propylbenzene	14.928	120	199825	1.635	ppbv	94
65) tert-Butylbenzene	16.098	119	707682	1.683	ppbv	96
66) Benzyl Chloride	16.339	91	38719m	1.579	ppbv	
67) sec-Butylbenzene	16.645	105	1017381	1.727	ppbv	99
69) p-Isopropyltoluene	17.002	119	805198	1.711	ppbv	99
70) n-Butylbenzene	17.899	91	887473	1.800	ppbv	98
71) 2-Chlorotoluene	14.809	91	627476	1.700	ppbv	98
72) 4-Ethyltoluene	15.201	105	621038	1.667	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	572113	1.703	ppbv	92
74) 1,2,4-Trimethylbenzene	16.114	105	648867	1.752	ppbv	94
75) 1,3-Dichlorobenzene	16.343	146	348196m	1.718	ppbv	
76) 1,4-Dichlorobenzene	16.484	146	330496	1.670	ppbv	98
77) 1,2-Dichlorobenzene	17.156	146	331397	1.705	ppbv	98
78) Hexachloro-1,3-Butadiene	22.651	225	249969m	1.854	ppbv	
79) Naphthalene	21.407	128	423311	1.918	ppbv	98
80) Naphthalene,2-methyl-	24.387	142	135990	2.014	ppbv	91
81) 1,2,4-Trichlorobenzene	21.153	180	229945m	1.754	ppbv	

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

